

Facility ID: 1431071268 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 P002](#)
- [Go to Part II for Emissions Unit P003](#)
- [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 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](#)
- [Go to Part II for Emissions Unit P015](#)
- [Go to Part II for Emissions Unit P016](#)
- [Go to Part II for Emissions Unit P017](#)
- [Go to Part II for Emissions Unit P018](#)
- [Go to Part II for Emissions Unit P019](#)
- [Go to Part II for Emissions Unit P020](#)
- [Go to Part II for Emissions Unit P021](#)
- [Go to Part II for Emissions Unit P022](#)
- [Go to Part II for Emissions Unit P023](#)
- [Go to Part II for Emissions Unit P024](#)
- [Go to Part II for Emissions Unit P025](#)
- [Go to Part II for Emissions Unit P026](#)
- [Go to Part II for Emissions Unit P027](#)
- [Go to Part II for Emissions Unit P028](#)

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

Facility ID: 1431071268 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>
Processed Meat Smokehouse #101	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:

- a. The wood chip usage rate;
- b. The calculated emission rate of sulfur dioxides, in tons;
- c. The calculated emission rate of nitrogen oxides, in tons;
- d. The calculated emission rate of particulate/PM10, in tons;
- e. The calculated emission rate of carbon monoxide, in tons; and
- f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:

- a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
- b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
- c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
- d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:

- a. $TPY\ SO2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
- b. $TPY\ NOx = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NOx/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:

- a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
- b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
- c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
- d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
- e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
- f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.

4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 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>
Processed Meat Smokehouse #102	OAC rule 3745-31-05 (14-4319)	See A.2.a. Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 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>
Processed Meat Smokehouse #103	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 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>
Processed Meat Smokehouse #104	OAC rule 3745-31-05 (14-4319)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 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 Measures</u>
Processed Meat Smokehouse #105	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 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>
Processed Meat Smokehouse #107	OAC rule 3745-31-05 (14-4319)	See A.2.a. Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 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>
Processed Meat Smokehouse #108	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 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>
Processed Meat Smokehouse #109	OAC rule 3745-31-05 (14-4319)	See A.2.a. Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 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>
Processed Meat Smokehouse #110	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 Emissions Unit ID: P015 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>
Processed Meat Smokehouse #111	OAC rule 3745-31-05 (14-4319)	See A.2.a. Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 Emissions Unit ID: P016 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>
Processed Meat Smokehouse #112	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 Emissions Unit ID: P017 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>
Processed Meat Smokehouse -R&D	OAC rule 3745-31-05 (14-4319)	See A.2.a. Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:

- a. 5.0 pounds of particulate/PM10*;
- b. 0.1 pound of sulfur dioxide*;
- c. 0.4 pound of nitrogen oxides*;
- d. 1.2 pounds of organic compounds*; and
- e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 Emissions Unit ID: P018 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>
Processed Meat Smokehouse #301	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 Emissions Unit ID: P019 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>
Processed Meat Smokehouse #302	OAC rule 3745-31-05 (14-4319)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 Emissions Unit ID: P020 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>
Processed Meat Smokehouse #303	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 Emissions Unit ID: P021 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>
Processed Meat Smokehouse #304	OAC rule 3745-31-05 (14-4319)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 Emissions Unit ID: P022 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>
Processed Meat Smokehouse #306	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 Emissions Unit ID: P023 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>
Processed Meat Smokehouse #307	OAC rule 3745-31-05 (14-4319)	See A.2.a. Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 Emissions Unit ID: P024 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>
Processed Meat Smokehouse #308	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 Emissions Unit ID: P025 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>
Processed Meat Smokehouse #309	OAC rule 3745-31-05 (14-4319)	See A.2.a. Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 Emissions Unit ID: P026 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>
Processed Meat Smokehouse #305	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits. The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM_{10} = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM_{10}/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO_2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO_2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NO_x = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NO_x/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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

Facility ID: 1431071268 Emissions Unit ID: P027 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>
Processed Meat Smokehouse #310	OAC rule 3745-31-05 (14-4319)	See A.2.a. Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule. The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

2. Additional Terms and Conditions

- (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM10*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*;
 - e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.
The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

 - a. 10.8 tons of particulate/PM10;
 - b. 0.1 ton of sulfur dioxide;
 - c. 0.9 ton of nitrogen oxides;
 - d. 2.5 tons of organic compounds; and
 - e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$

- c. TPY OC = Lbs Wood Chips Burned/Yr x 0.004 Lb OC/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - d. TPY CO = Lbs Wood Chips Burned/Yr x 0.033 Lb CO/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. TPY SO₂ = Lbs Wood Chips Burned/Yr x 0.0002 Lb SO₂/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - b. TPY NO_x = Lbs Wood Chips Burned/Yr x 0.0013 Lb NO_x/Lb Wood Chips Burned (EF)/2000 Lbs/Ton
 - 3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM₁₀, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO₂, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NO_x, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
 - 4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).
- F. Miscellaneous Requirements**
- 1. None

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

Facility ID: 1431071268 Emissions Unit ID: P028 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>
Processed Meat Smokehouse #311	OAC rule 3745-31-05 (14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)	Visible emissions from stacks associated with this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The PM emission limitation specified in OAC rule 3745-17-11 is the same as or less stringent than that established under OAC rule 3745-31-05 (PTI 14-4319).

- 2. **Additional Terms and Conditions**
 - (a) Daily emissions shall not exceed the following:
 - a. 5.0 pounds of particulate/PM₁₀*;
 - b. 0.1 pound of sulfur dioxide*;
 - c. 0.4 pound of nitrogen oxides*;
 - d. 1.2 pounds of organic compounds*; and

e. 9.9 pounds of carbon monoxide*.

* The daily emission limitations outlined are based upon the emissions unit's PTE. Therefore, no daily records are required to demonstrate compliance with these limits.

The combined annual emissions from emissions units P002, P003, and P007 through P028 combined shall not exceed the following:

- a. 10.8 tons of particulate/PM10;
- b. 0.1 ton of sulfur dioxide;
- c. 0.9 ton of nitrogen oxides;
- d. 2.5 tons of organic compounds; and
- e. 21.7 tons of carbon monoxide.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain annual records of the following information for emissions units P002, P003, P007 through P028:
 - a. The wood chip usage rate;
 - b. The calculated emission rate of sulfur dioxides, in tons;
 - c. The calculated emission rate of nitrogen oxides, in tons;
 - d. The calculated emission rate of particulate/PM10, in tons;
 - e. The calculated emission rate of carbon monoxide, in tons; and
 - f. The calculated emission rate of organic compounds, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which specify the following emissions units P002, P003, and P007 through P028: (a) the wood chip usage rate, (b) the sulfur dioxide emissions, (c) the nitrogen oxides emissions, (d) the particulate/PM10 emissions, (e) the carbon monoxide emissions, and (f) the organic compound emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the particulate, organic compound, and carbon monoxide emission limitations for emissions units P002, P003, and P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Meat Smokehouses:
 - a. $TPY\ PM = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ PM10 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0165\ Lb\ PM10/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - c. $TPY\ OC = Lbs\ Wood\ Chips\ Burned/Yr \times 0.004\ Lb\ OC/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - d. $TPY\ CO = Lbs\ Wood\ Chips\ Burned/Yr \times 0.033\ Lb\ CO/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be demonstrated by the following equations using emissions factors from the AP-42 section for Residential Wood Fireplaces:
 - a. $TPY\ SO2 = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0002\ Lb\ SO2/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
 - b. $TPY\ NOx = Lbs\ Wood\ Chips\ Burned/Yr \times 0.0013\ Lb\ NOx/Lb\ Wood\ Chips\ Burned\ (EF)/2000\ Lbs/Ton$
3. If testing is required to determine compliance with the allowable emission limitations for emissions units P002, P003, P007 through P028 then testing shall be conducted using the following method:
 - a. For PM, Method 5 of 40 CFR Part 60, Appendix A shall be used.
 - b. For PM10, Method 201 of 40 CFR Part 51, Appendix M shall be used.
 - c. For SO2, Method 6 of 40 CFR Part 60, Appendix A shall be used.
 - d. For NOx, Method 7 of 40 CFR Part 60, Appendix A shall be used.
 - e. For OC, Method 25 of 40 CFR Part 60, Appendix A shall be used.
 - f. For CO, Method 10 of 40 CFR Part 60, Appendix A shall be used.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None