

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.

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

Facility ID: 1431071268 Emissions Unit ID: P010 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Processed Meat Smokehouse #106	OAC rule 3745-31-05 (PTI 14-4319)	See A.2.a.
	OAC rule 3745-17-07(A)(1)	Visible particulate 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 particulate 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:
  - i. 5.0 pounds of particulates/PM10\*;
  - ii. 0.1 pound of sulfur dioxide\*;
  - iii. 0.4 pound of nitrogen oxides\*;
  - iv. 1.2 pounds of organic compounds\*;
  - v. 9.9 pounds of carbon monoxide\*.

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

  - i. 10.8 tons of particulates/PM10;
  - ii. 0.1 ton of sulfur dioxide;
  - iii. 0.9 ton of nitrogen oxides;
  - iv. 2.5 tons of organic compounds; and
  - v. 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, and P007 through P028:
  - a. the total combined wood chip usage rate, in pounds;
  - b. the total combined emission rate of sulfur dioxides, in tons;
  - c. the total combined emission rate of particulates/PM10, in tons;
  - d. the total combined emission rate of carbon monoxide, in tons; and
  - e. the total combined emission rate of organic compounds, in tons.

**D. Reporting Requirements**

1. The permittee shall submit annual reports which specify the following for emissions units P002, P003, and P007 through P028: (a) the total combined wood chip usage rate, (b) the total combined sulfur dioxide emissions, (c)

the total combined nitrogen oxides emissions, (d) the total combined particulate/PM10 emissions, (e) the total combined carbon monoxide emissions, and (f) the total combined 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 determined by the following equations using emissions factors from AP-42 for Meat Smokehouses or, if required, by testing pursuant to Section E.3. of these Terms and Conditions:
  - a.  $TPY \text{ of PM} = \text{Lbs of Wood Chips Burned/Yr} \times 0.0165 \text{ Lb of PM/Lb of Wood Chips Burned/2000 Lbs/Ton}$
  - b.  $TPY \text{ of PM}_{10} = \text{Lbs of Wood Chips Burned/Yr} \times 0.0165 \text{ Lb of PM}_{10}\text{/Lb of Wood Chips Burned/2000 Lbs/Ton}$
  - c.  $TPY \text{ of OC} = \text{Lbs of Wood Chips Burned/Yr} \times 0.004 \text{ Lb of OC/Lb of Wood Chips Burned/ 2000 Lbs/ Ton}$
  - d.  $TPY \text{ of CO} = \text{Lbs of Wood Chips Burned/Yr} \times 0.033 \text{ Lb of CO/Lb of Wood Chips Burned (EF)/2000 Lbs/Ton}$
2. Compliance with the sulfur dioxide and nitrogen oxides emission limitations for emissions units P002, P003, P007 through P028 shall be determined by the following equations using emissions factors from AP-42 for Residential Wood Fireplaces or, if required, by testing pursuant to Section E.3. of these Terms and Conditions:
  - a.  $TPY \text{ of SO}_2 = \text{Lbs of Wood Chips Burned/Yr} \times 0.0002 \text{ Lb of SO}_2\text{/Lb of Wood Chips Burned/2000 Lbs/Ton}$
  - b.  $TPY \text{ of NO}_x = \text{Lbs of Wood Chips Burned/Yr} \times 0.0013 \text{ Lb of NO}_x\text{/Lb of Wood Chips Burned/2000 Lbs/Ton}$
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 methods:
  - a. for PM, Method 5 of 40 CFR, Part 60, Appendix A;
  - b. for PM<sub>10</sub>, Method 201 of 40 CFR, Part 51, Appendix M;
  - c. for SO<sub>2</sub>, Method 6 of 40 CFR, Part 60, Appendix A;
  - d. for NO<sub>x</sub>, Method 7 of 40 CFR, Part 60, Appendix A;
  - e. for OC, Method 25 of 40 CFR, Part 60, Appendix A; and
  - f. for CO, Method 10 of 40 CFR, Part 60, Appendix A.
4. Compliance with the visible particulate emission limitation in OAC rule 3745-17-07(A)(1) shall be determined by the method specified in OAC rule 3745-17-03(B)(1).

**F. Miscellaneous Requirements**

1. None