

Facility ID: 1677010287 Issuance type: Draft 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: 1677010287 Emissions Unit ID: P003 Issuance type: Draft 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>
Natural gas fired bread oven - Baker Perkins 970	OAC rule 3745-35-07	Volatile organic compounds (VOC) emissions shall not exceed 90.0 tons per year based upon a rolling, 13 4-week period.
	OAC rule 3745-17-10(B)(1)	See A.2.a below. 0.020 pound of particulate emissions per MMBtu of actual heat input
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed twenty percent opacity, as a six-minute average, except as provided by rule.

**2. Additional Terms and Conditions**

- (a) The emissions of VOC from this emissions unit shall not exceed 90.0 tons per year, based upon a rolling, 13 4-week summation of the 4-week emissions.

To ensure enforceability during the first 13 4-week periods of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

. Maximum Allowable  
. Cumulative Emissions  
4-week period(s) of VOC (Tons)

- 1 6.9
- 1-2 13.8
- 1-3 20.8
- 1-4 27.7
- 1-5 34.6
- 1-6 41.5
- 1-7 48.5
- 1-8 55.4
- 1-9 62.3
- 1-10 69.2
- 1-11 76.2
- 1-12 83.1
- 1-13 90.0

After the first 13 4-week periods of operation following the issuance of this permit, compliance with the annual emission limitation for VOC shall be based upon a rolling, 13 4-week summation of the 4-week emissions.

Only natural gas is burned in this emissions unit; therefore, monitoring, record keeping, and reporting requirements are not necessary for the emission limitations specified by OAC rules 3745-17-07 and 3745-17-10.

**B. Operational Restrictions**

1. None

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

1. The permittee shall maintain the following records each 4-week period, for this emissions unit:
    - a. the type and amount of each baked good produced, in tons per 4-week period;
    - b. the name and calculated VOC emission factor (VOC E.F.) for each baked good produced during the 4-week period;
    - c. the calculated VOC emissions from each baked good produced during the 4-week period;
    - d. the calculated VOC emissions from all baked goods produced during the 4-week period;
    - e. during the first 13 4-week periods following the issuance of this permit, the calculated cumulative VOC emissions; and
    - f. beginning after the first 13 4-week periods following the issuance of this permit, the calculated VOC emissions for the rolling, 13 4-week period.
- D. Reporting Requirements**
1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 13 4-week emission limitation for VOC and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative emission levels. These reports are due by the dates specified in the General Terms and Conditions of this permit.
  2. The permittee shall also submit annual reports that specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
- E. Testing Requirements**
1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:  
Emission Limitation  
  
VOC emissions shall not exceed 90.0 tons per year based upon a rolling, 13 4-week period.  
  
Applicable Compliance Method  
  
Compliance shall be demonstrated based on the record keeping specified in Section C.1 of these terms and conditions. The emission factor in Section C.1.b of these terms and conditions shall be calculated using the following equation:  
  

$$\text{VOC E.F.} = 0.95Y_i + 0.195t_i - 0.51S - 0.86t_s + 1.90$$
 where:  
 VOC E.F. = pounds of VOC per ton of baked bread  
 Y<sub>i</sub> = initial baker's percent of yeast  
 t<sub>i</sub> = total yeast action time in hours  
 S = final (spiking) baker's percent of yeast  
 t<sub>s</sub> = spiking time in hours  
  
 The above equation was taken from the USEPA publication "Alternative Control Technology Document for Bakery Oven Emissions" (EPA 453/R-92-017) dated December 1992.  
 Emission Limitation  
  
 Visible particulate emissions from any stack shall not exceed twenty percent opacity, as a six-minute average, except as provided by rule.  
  
 Applicable Compliance Method  
  
 If required, the permittee shall demonstrate compliance by performing visible emission readings in accordance with USEPA Method 9.  
 Emission Limitation  
  
 0.020 pound of particulate emissions per MMBtu of actual heat input.  
  
 Applicable Compliance Method  
  
 If required, the permittee shall demonstrate compliance with this limitation by performing emission tests in accordance with USEPA Methods 1 through 5.
- F. Miscellaneous Requirements**
1. In accordance with OAC rule 3745-35-07, sections A through F of these terms and conditions constitute federally enforceable portions of this permit.