

Facility ID: 0250110969 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

[Go to Part II for Emissions Unit P001](#)

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Facility ID: 0250110969 Emissions Unit ID: P001 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>
Bun Line Oven	OAC 3745-21-07	See Additional Terms and Conditions
2. Additional Terms and Conditions		
(a) The mass emission limitations from OAC 3745-21-07 (G) do not apply to this emissions unit, as no photochemically reactive materials, as defined in OAC 3745-21-01 (C)(5), are employed.		

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records documenting the use of non-photochemically reactive materials. These records shall be maintained by the permittee for a minimum of 3 years on-site at the facility and shall be made available for review by the Ohio EPA or their representatives.

D. Reporting Requirements

1. The permittee shall notify the Northeast District Office of the Ohio EPA in writing of any record showing the use of any photochemically reactive material. The notification shall include a copy of such record and shall be sent to the Northeast District Office of the Ohio EPA within 45 days after the violation occurs.

E. Testing Requirements

1. None

F. Miscellaneous Requirements

1. None

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Facility ID: 0250110969 Emissions Unit ID: P002 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>
Bread Line Oven	PTI No.: 02-10584 OAC 3745-17-07 OAC 3745-17-10 OAC 3745-21-07	VOC: 15 lbs/hr and 46.8 tons/yr PM: 0.02 lb/MMBTU NOx: 0.14 lb/MMBTU Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.

2. **Additional Terms and Conditions**

- (a) None

B. Operational Restrictions

1. The maximum production rate for the bread line oven (P002) shall not exceed 28,107 tons of bread products, based upon a rolling, twelve month summation of the production rates.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep the following monthly records for this emissions unit:
 - a. the amount of each variety of bread product produced (tons);
 - b. the total amount of bread products produced (tons);
 - c. the rolling, twelve month summation of the total amount of bread products produced (tons);
 - d. the hours of operation; and
 - e. the VOC emission rate (tons or pounds). The VOC emission rate shall be calculated by multiplying the VOC emission factor for each bread product by the quantity of each variety of bread product produced. The VOC emission factor (VOCef) shall be determined by using the following equation from the U.S. EPA document, "Alternative Control Technology Document for Bakery Oven Emissions" (EPA 453/R-92-017):

$$\text{VOCef} = 0.95 Y_i + 0.195 t_i - 0.51S - 0.86t_s + 1.90$$
 where;

VOCef = emissions factor in pounds of uncontrolled VOC emissions per ton of bread or other yeast leavened product produced;

Y_i = initial baker's percent of yeast to the nearest tenth of a percent;

t_i = total yeast action time (fermentation time) of initial yeast in hours to the nearest tenth of an hour;

S = final (spiking) baker's percent of yeast to the nearest tenth of a percent; and

t_s = spiking yeast action time in hours to the nearest tenth of an hour.
2. These records shall be maintained by the permittee for a minimum of three years on-site at the facility and shall be made available for review by representatives of the Ohio EPA.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling twelve month bread production rate limitations established for the emissions unit (P002).
2. The permittee shall also submit annual reports which specify the total organic compound 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. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with procedures specified in OAC 3745-17-03 (B) (1) using the methods and procedures specified in U.S. EPA Reference Method 9.
2. Emission Limitation:

0.02 lb particulate matter/MMBTU

Applicable Compliance Method:
AP-42 Section 1.4

- 3. Emissions Limitation:
VOC: 15 lbs/hr

Applicable Compliance Method:
The permittee shall determine the average VOC emission rate in lb/hr according to that data which has been collected as required in Part C (monitoring and/or recordkeeping requirements) above.

- 4. Emissions Limitation:
NOx: 0.14 lb/MMBTU

Applicable Compliance Method:
AP-42 Section 1.4

- 5. The permittee shall determine the annual VOC's by using a summation of the monthly VOC data collected, as required in Part C above.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0250110969 Emissions Unit ID: P003 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>
Hearth Line Oven	PTI No.: 02-10584 OAC 3745-17-07 OAC 3745-17-10 OAC 3745-21-07	VOC: 2.7 lbs/hr and 8.4 tons/yr PM: 0.02 lb/MMBTU NOx: 0.14 lb/MMBTU Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.

- 2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

- 1. The maximum production rate for the bread line oven (P003) shall not exceed 4,158 tons of bread products, based upon a rolling, twelve month summation of the production rates.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall keep the following monthly records for this emissions unit:
 - a. the amount of each variety of bread product produced (tons);
 - b. the total amount of bread products produced (tons);
 - c. the rolling, twelve month summation of the total amount of bread products produced (tons);
 - d. the hours of operation; and

e. the VOC emission rate (tons or pounds). The VOC emission rate shall be calculated by multiplying the VOC emission factor for each bread product by the quantity of each variety of bread product produced. The VOC emission factor (VOCef) shall be determined by using the following equation from the U.S. EPA document, "Alternative Control Technology Document for Bakery Oven Emissions" (EPA 453/R-92-017):

$$\text{VOCef} = 0.95 Y_i + 0.195 t_i - 0.51S - 0.86t_s + 1.90$$

where;

VOCef = emissions factor in pounds of uncontrolled VOC emissions per ton of bread or other yeast leavened product produced;

Y_i = initial baker's percent of yeast to the nearest tenth of a percent;

t_i = total yeast action time (fermentation time) of initial yeast in hours to the nearest tenth of an hour;

S = final (spiking) baker's percent of yeast to the nearest tenth of a percent; and

t_s = spiking yeast action time in hours to the nearest tenth of an hour.
None

2. These records shall be maintained by the permittee for a minimum of three years on-site at the facility and shall be made available for review by representatives of the Ohio EPA.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling twelve month bread production rate limitations established for the emissions unit (P003).
2. The permittee shall also submit annual reports which specify the total organic compound 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. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with procedures specified in OAC 3745-17-03 (B) (1) using the methods and procedures specified in U.S. EPA Reference Method 9.
2. Emission Limitation:
0.02 lb particulate matter/MMBTU

Applicable Compliance Method:
AP-42 Section 1.4
3. Emissions Limitation:
VOC: 2.7 lbs/hr

Applicable Compliance Method:
The permittee shall determine the average VOC emission rate in lb/hr according to that data which has been collected as required in Part C (monitoring and/or recordkeeping requirements) above.
4. Emissions Limitation:
NOx: 0.14 lb/MMBTU

Applicable Compliance Method:
AP-42 Section 1.4
5. The permittee shall determine the annual VOC's by using a summation of the monthly VOC data collected, as required in Part C above.

F. Miscellaneous Requirements

1. None