



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
MUSKINGUM COUNTY**

**CERTIFIED MAIL**

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov.  
Center

**Application No: 06-06403**

**DATE: 8/28/2001**

New Bakery of Ohio Inc  
Stan Augsberger  
750 Airport Rd  
Zanesville, OH 43701

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

SEDO



**Permit To Install**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**FINAL PERMIT TO INSTALL 06-06403**

Application Number: 06-06403  
APS Premise Number: 0660010244  
Permit Fee: **\$2400**  
Name of Facility: New Bakery of Ohio Inc  
Person to Contact: Stan Augsberger  
Address: 750 Airport Rd  
Zanesville, OH 43701

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**3005 Eastpointe Dr**  
**Zanesville, Ohio**

Description of proposed emissions unit(s):  
**One bakery oven and three flour silos.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. State and Federally Enforceable Permit To Install General Terms and Conditions

#### 1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

calendar quarters. See B.10 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

## **2. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

## **3. Risk Management Plans**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

## **4. Title IV Provisions**

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

## 5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

## 6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

## 7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

## 8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are

required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

## **9. Compliance Requirements**

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

## **10. Permit To Operate Application**

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

## **11. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

## **B. State Only Enforceable Permit To Install General Terms and Conditions**

### **1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

### **2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

### **3. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

### **4. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

### **5. Termination of Permit To Install**

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete

within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

#### **6. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

#### **7. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

#### **8. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other

emissions unit(s).

**9. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**10. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

**C. Permit To Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)  
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
OC	93.5
NOx	2.9
Particulate	1.68

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New Bakery of Ohio Inc  
PTI Application: **06-06403**  
**Issued: 8/28/2001**

Facility ID: **0660010244**

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New B

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: **F001**

**Part II - FACILITY SPECIFIC TERMS AND CONDITIONS**

**A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 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>
F001 - Flour silo No.1	OAC rule 3745-31-05 (A)(3)	The silo truck unloading operations shall be vented to a baghouse which will achieve an outlet emission rate of not greater than 0.030 gr/dscf or no visible emissions, whichever is less stringent.  Total particulate emissions from the baghouse shall not exceed 0.56 tons per year.
	OAC rule 3745-17-11 OAC rule 3745-17-07(A)	The emission limitation specified by these rules are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

**2. Additional Terms and Conditions**

- 2.a None.

**B. Operational Restrictions**

1. Flour shall be transferred pneumatically to storage. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emission of flour from the delivery vehicle shall be cause for the halt of the unloading process until the

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New B

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: **F001**

situation is corrected.

The flour silo vent shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient so as to minimize at all time the visible emissions of fugitive dust at the point of capture. The fabric filter shall have a control efficiency of at least 0.030 gr/dscf or there shall be no visible emissions from the outlet, whichever is less stringent.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall perform daily checks for any visible particulate emissions from the exhaust of the dust collection system. The presence or absence of any visible emissions from the exhaust of the dust collection system shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

### **D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify all days during which visible particulate emissions are observed from the exhaust of the dust collection system.

The reports shall be submitted on:

- a. January 31 of each year and shall cover the period from July 1 until December 31; and
- b. July 31 of each year and shall cover the period from January 1 until June 30.

If no visible particulate emissions are observed from the exhaust of the dust collection system during a given period, the permittee shall submit a report which states that no visible particulate emissions were observed from the exhaust of the dust collection system during that period. These reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.

### **E. Testing Requirements**

1. Compliance with the particulate matter emission limit of 0.030 grain per dry standard cubic foot of exhaust gases shall be determined based on emission testing conducted in accordance with OAC rule 3745-17-03. Emission testing is not specifically required to demonstrate compliance with this emission limitation, but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

**Issued**Emissions Unit ID: **F001**

2. Compliance with the no visible emission limit for the exhaust from the dust collector shall be determined using Test Method 22-like visible emission observations. Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations.
  
3. Compliance with the particulate matter emission limit of 0.56 tons per year shall be determined in accordance with the following equation:

$$\begin{aligned} \text{tons PM/year} &= (0.030 \text{ gr/dscf}) \times (500 \text{ dscf/min}) \times (\text{lb}/7000 \text{ gr}) \times (60 \text{ min/hour}) \times (\text{ton}/2000 \\ &\text{lbs}) \\ &\times (\text{actual hours of operation/year}) \end{aligned}$$

The flow rate of 500 dscf/min represents the maximum flow rate of exhaust gases from the control equipment, based on company data.

**F. Miscellaneous Requirements**

None.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

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

1. The specific operations(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 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>
F002 - Flour silo No. 2	OAC rule 3745-31-05 (A)(3)	The silo truck loading operations shall be vented to a baghouse which will achieve an outlet emission rate of not greater than 0.030 gr/dscf or no visible emissions, whichever is less stringent.
	OAC rule 3745-17-11 OAC rule 3745-17-07(A)	Total particulate emissions from the baghouse shall not exceed 0.56 tons per year.  The emission limitation specified by these rules are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

2. **Additional Terms and Conditions**

- 2.a None.

**B. Operational Restrictions**

1. Flour shall be transferred pneumatically to storage. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emission of flour from the delivery vehicle shall be cause for the halt of the unloading process until the

situation is corrected.

The flour silo vent shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient so as to minimize at all time the visible emissions of fugitive dust at the point of capture. The fabric filter shall have a control efficiency of at least 0.030 gr/dscf or there shall be no visible emissions from the outlet, whichever is less stringent.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall perform daily checks for any visible particulate emissions from the exhaust of the dust collection system. The presence or absence of any visible emissions from the exhaust of the dust collection system shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

### **D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify all days during which visible particulate emissions are observed from the exhaust of the dust collection system.

The reports shall be submitted on:

- a. January 31 of each year and shall cover the period from July 1 until December 31; and
- b. July 31 of each year and shall cover the period from January 1 until June 30.

If no visible particulate emissions are observed from the exhaust of the dust collection system during a given period, the permittee shall submit a report which states that no visible particulate emissions were observed from the exhaust of the dust collection system during that period. These reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.

### **E. Testing Requirements**

1. Compliance with the particulate matter emission limit of 0.030 grain per dry standard cubic foot of exhaust gases shall be determined based on emission testing conducted in accordance with OAC rule 3745-17-03. Emission testing is not specifically required to demonstrate compliance with this emission limitation, but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

Emissions Unit ID: **F002**

2. Compliance with the no visible emission limit for the exhaust from the dust collector shall be determined using Test Method 22-like visible emission observations. Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations.
3. Compliance with the particulate matter emission limit of 0.56 tons per year shall be determined in accordance with the following equation:

$$\text{tons PM/year} = (0.030 \text{ gr/dscf}) \times (500 \text{ dscf/min}) \times (\text{lb}/7000 \text{ gr}) \times (60 \text{ min/hour}) \times (\text{ton}/2000 \text{ lbs}) \times (\text{actual hours of operation/year})$$

The flow rate of 500 dscf/min represents the maximum flow rate of exhaust gases from the control equipment, based on company data.

#### **F. Miscellaneous Requirements**

None.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

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

1. The specific operations(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 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>
F003 - Flour Silo No. 3	OAC rule 3745-31-05 (A)(3)	The silo truck loading operations shall be vented to a baghouse which will achieve an outlet emission rate of not greater than 0.030 gr/dscf or no visible emissions, whichever is less stringent.
	OAC rule 3745-17-11 OAC rule 3745-17-07(A)	Total particulate emissions from the baghouse shall not exceed 0.56 tons per year.  The emission limitation specified by these rules are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

**2. Additional Terms and Conditions**

- 2.a None.

**B. Operational Restrictions**

1. Flour shall be transferred pneumatically to storage. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emission of flour from the delivery vehicle shall be cause for the halt of the unloading process until the

situation is corrected.

The flour silo vent shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient so as to minimize at all time the visible emissions of fugitive dust at the point of capture. The fabric filter shall have a control efficiency of at least 0.030 gr/dscf or there shall be no visible emissions from the outlet, whichever is less stringent.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall perform daily checks for any visible particulate emissions from the exhaust of the dust collection system. The presence or absence of any visible emissions from the exhaust of the dust collection system shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

### **D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify all days during which visible particulate emissions are observed from the exhaust of the dust collection system.

The reports shall be submitted on:

- a. January 31 of each year and shall cover the period from July 1 until December 31; and
- b. July 31 of each year and shall cover the period from January 1 until June 30.

If no visible particulate emissions are observed from the exhaust of the dust collection system during a given period, the permittee shall submit a report which states that no visible particulate emissions were observed from the exhaust of the dust collection system during that period. These reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.

### **E. Testing Requirements**

1. Compliance with the particulate matter emission limit of 0.030 grain per dry standard cubic foot of exhaust gases shall be determined based on emission testing conducted in accordance with OAC rule 3745-17-03. Emission testing is not specifically required to demonstrate compliance with this emission limitation, but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).
2. Compliance with the no visible emission limit for the exhaust from the dust collector shall be

determined using Test Method 22-like visible emission observations. Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations.

3. Compliance with the particulate matter emission limit of 0.56 tons per year shall be determined in accordance with the following equation:

$$\text{tons PM/year} = (0.030 \text{ gr/dscf}) \times (500 \text{ dscf/min}) \times (\text{lb}/7000 \text{ gr}) \times (60 \text{ min/hour}) \times (\text{ton}/2000 \text{ lbs}) \times (\text{actual hours of operation/year})$$

The flow rate of 500 dscf/min represents the maximum flow rate of exhaust gases from the control equipment, based on company data.

#### **F. Miscellaneous Requirements**

None.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

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

1. The specific operations(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 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>
P001 - One bakery oven.	OAC rule 3745-31-05 (A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule(s) 3745-17-07(A), 3745-17-10, and 3745-35-07(D)  OC emissions shall not exceed 24.97 pounds per hour.  NOx emissions shall not exceed 0.6 pound per hour and 2.2 tons per year.
	OAC rule 3745-35-07(B)	OC emissions shall not exceed 93.3 tons per rolling 12 - month period.
	OAC rule 3745-17-07 (A)	Visible particulate emissions from the oven shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10 (B)(1)	Emissions of particulate matter from the oven shall not exceed 0.020 pound per million Btu actual heat input.

**2. Additional Terms and Conditions**

New Bakery of Ohio Inc  
PTI Application: 06 06403  
**Issued**

Facility ID: 0660010244

Emissions Unit ID: P001

- 2.a No liquid organic materials are employed in this emissions unit; therefore, OAC rule 3745-21-07 (G) is not applicable.

**B. Operational Restrictions**

1. The maximum annual production rate for this emissions unit shall not exceed 31375 tons of baked goods in any 12 - month period.
2. The permittee shall burn only natural gas in this emissions unit.

**C. Monitoring and/or Recordkeeping Requirements**

1. To ensure enforceability during the first 12 calendar months following the startup of emissions unit P001, the permittee shall not exceed the monthly cumulative restrictions specified in the following table:

Month	Cumulative tons of baked goods
1	3060
1-2	6120
1-3	12,240
1-4	15,300
1-5	18,360
1-6	21,420
1-7	24,480
1-8	27,540
1-9	30,600
1-10	31,375
1-11	31,375
1-12	31,375

After the first 12 calendar months following the startup of emissions unit P001, compliance with the annual production restriction shall be based on a rolling, 12-month summation.

2. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
3. The permittee shall maintain monthly records of the following information:
  - a. The production rate of the amount of baked goods produced each month.
  - b. Beginning after the first 12 calendar months of operation following the startup of

emissions unit P001, the rolling, 12-month summation of the amount of baked goods produced.

Also, during the first 12 calendar months of operation following the startup of emissions unit P001, the permittee shall record the cumulative amount of baked goods produced for each calendar month.

#### **D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit deviation (excursion) reports that identify all exceedances of the rolling, 12-month amount of baked goods produced limitation and, for the first 12 calendar months of operation following the startup of emissions unit P001, all exceedances of the maximum allowable cumulative amount of baked goods produced production levels. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A).

#### **E. Testing Requirements**

1. Compliance with the emission limitation of 0.020 pound particulate matter per million Btu actual heat input is demonstrated as follows:

Divide the applicable AP-42, 5th Edition (supplement B) emission factor for filterable particulate matter from table 1.4-2 (for units less than 10 million Btu/hr) by the assumed heat content of natural gas (1000 Btu/cubic foot):

$$(4.5 \text{ lbs particulate matter/million cubic feet}) / (1000 \text{ mmBtu/ mm cubic feet}) = 0.0045 \text{ lb particulate matter/million Btu}$$

Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04 (A).

2. Compliance with the visible emission limit shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1). No visible emission testing is specifically

required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04 (A).

3. Emission Limitation-  
24.97 lbs/hr of OCs

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 4.19 tons by a OC emission factor of 5.96 lbs/ton. The OC emission factor was determined in accordance with the equation specified in Section E.7 of this permit.

4. Emission Limitation-  
93.3 tons/12 - months of OCs

Applicable Compliance Method-

Compliance shall be based on the record keeping specified in Section C.3., summing the monthly records for the calendar year, multiplying the total by the OC emission factor of 5.96 lbs/ton, and dividing by 2,000 lbs/ton.

5. Emission Limitation-  
0.6 lb/hr of NO<sub>x</sub>

Applicable Compliance Method-

Compliance shall be determined by multiplying the actual annual natural gas fuel usage by the AP-42 emission factor for NO<sub>x</sub> (140 lbs/million cubic feet), and dividing by 2,000 lbs/ton and the actual annual hours of operation.

6. Emission Limitation-  
2.2 tons/yr of NO<sub>x</sub>

Applicable Compliance Method-

Compliance shall be determined by multiplying the actual annual natural gas fuel usage by the AP-42 emission factor for NO<sub>x</sub> (140 lbs/million cubic feet), and dividing by 2,000 lbs/ton.

7. The emission factor in sections 1.a and 1.b above (5.96 lbs OC/ton of bread) was calculated by using the following equation:

$$\text{OC ef} = 0.95Y_i + 0.195t_i - 0.51S - 0.86t_s + 1.90, \text{ where}$$

OC ef = emission factor in pounds of uncontrolled OC 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.

The value for  $OC_{ef}$  is the same for all yeast leavened products.

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.

#### **F. Miscellaneous Requirements**

None.

**NEW SOURCE REVIEW FORM B**

PTI Number: 06-06403 Facility ID: 0660010244

FACILITY NAME New Bakery of Ohio Inc

FACILITY DESCRIPTION One bakerv oven and three flour silos. CITY/TWP Zanesville

Emissions Unit ID: P001

SIC CODE 2041 SCC CODE 30203203 EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION Flour silo No.1

DATE INSTALLED November 2000

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.128	0.40	0.128	0.56
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO NESHAP? NO PSD? NO OFFSET POLICY? NO

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Fabric Filter

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ N/A

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to containinants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS: Particulates

**NEW SOURCE REVIEW FORM B**

PTI Number: 06-06403 Facility ID: 0660010244

FACILITY NAME New Bakery of Ohio Inc

FACILITY DESCRIPTION One bakerv oven and three flour silos. CITY/TWP Zanesville

Emissions Unit ID: P001

SIC CODE 2041 SCC CODE 30203203 EMISSIONS UNIT ID F002

EMISSIONS UNIT DESCRIPTION Flour silo No. 2

DATE INSTALLED November 2000

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.128	0.40	0.128	0.56
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO NESHAP? NO PSD? NO OFFSET POLICY? NO

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

Enter Determination Fabric Filter

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$N/A

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to containinants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS: Particulates

**NEW SOURCE REVIEW FORM B**

PTI Number: 06-06403

Facility ID: 0660010244

FACILITY NAME New Bakery of Ohio Inc

FACILITY DESCRIPTION One bakerv oven and three flour silos. CITY/TWP Zanesville

Emissions Unit ID: **P001**

SIC CODE 2041

SCC CODE 30203203

EMISSIONS UNIT ID F003

EMISSIONS UNIT DESCRIPTION Flour Silo No. 3

DATE INSTALLED November 2000

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.128	0.40	0.128	0.56
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO

NESHAP? NO

PSD? NO

OFFSET POLICY? NO

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Fabric Filter

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ N/A

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to containinants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES X NOIDENTIFY THE AIR CONTAMINANTS: Particulates

**3 NEW SOURCE REVIEW FORM B**

PTI Number: 06-06403

Facility ID: 0660010244

FACILITY NAME New Bakery of Ohio IncFACILITY DESCRIPTION One bakerv oven and three flour silos. CITY/TWP ZanesvilleEmissions Unit ID: **P001**SIC CODE 2041SCC CODE 30203202EMISSIONS UNIT ID P001EMISSIONS UNIT DESCRIPTION One bakery oven processing 1080 buns per hour.DATE INSTALLED November 2000

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds		24.97	78.4	24.97	93.5
Nitrogen Oxides		0.588	1.8	0.588	2.20
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

**Enter Determination** UNCONTROLLEDIS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NoOPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$N/A**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to containinants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? X YES        NOIDENTIFY THE AIR CONTAMINANTS: OC, NOx