



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

6/6/2013

Jeannene Schaffnit  
Worthington Foods, Inc.  
1675 Fairview Road  
Zanesville, OH 43701

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE  
Facility ID: 0660010264  
Permit Number: P0108212  
Permit Type: OAC Chapter 3745-31 Modification  
County: Muskingum

Certified Mail

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MODELING SUBMITTED
Yes	SYNTHETIC MINOR TO AVOID TITLE V
Yes	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

**How to appeal this permit**

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
77 South High Street, 17th Floor  
Columbus, OH 43215

## **How to save money, reduce pollution and reduce energy consumption**

The Ohio EPA is encouraging 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 Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: [www.ohioairquality.org/clean\\_air](http://www.ohioairquality.org/clean_air)

## **How to give us feedback on your permitting experience**

Please complete a survey at [www.epa.ohio.gov/dapc/permitsurvey.aspx](http://www.epa.ohio.gov/dapc/permitsurvey.aspx) and give us feedback on your permitting experience. We value your opinion.

## **How to get an electronic copy of your permit**

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc) by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-SEDO



## Response to Comments

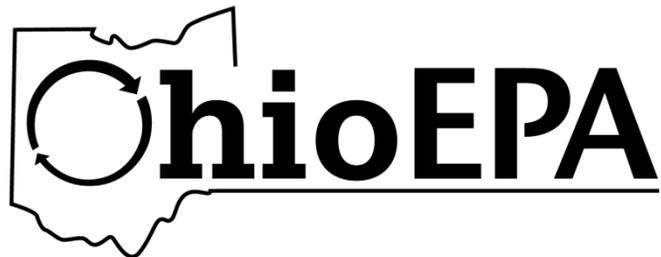
Facility ID:	0660010264
Facility Name:	Worthington Foods, Inc.
Facility Description:	Food Manufacturing Facility
Facility Address:	1675 Fairview Road Zanesville, OH 43701 Muskingum County
Permit:	P0108212, Permit-To-Install and Operate - OAC Chapter 3745-31 Modification
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the Zanesville Times Recorder on 05/02/2013. The comment period ended on 06/01/2013.	
Hearing date (if held)	
Hearing Public Notice Date (if different from draft public notice)	

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

**No public comments were received during the draft period.**





**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
Worthington Foods, Inc.**

Facility ID:	0660010264
Permit Number:	P0108212
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	6/6/2013
Effective:	6/6/2013
Expiration:	7/28/2015





**Division of Air Pollution Control**  
**Permit-to-Install and Operate**  
for  
Worthington Foods, Inc.

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**Final Permit-to-Install and Operate**  
Worthington Foods, Inc.  
**Permit Number:** P0108212  
**Facility ID:** 0660010264  
**Effective Date:** 6/6/2013

## Authorization

Facility ID: 0660010264  
Application Number(s): A0041782, A0042196  
Permit Number: P0108212  
Permit Description: The facility is requesting a change in the method of operation to allow this source to make new products using flavorings that contain VOC. The Crumbles Cooker did not start making products with VOC-containing flavors until July 2009. Previously exempt as emissions under ten pounds of VOC per day. An increase is proposed in this application as a modification to allow usage of higher-VOC cleaners and sanitizers.  
Permit Type: OAC Chapter 3745-31 Modification  
Permit Fee: \$2,000.00  
Issue Date: 6/6/2013  
Effective Date: 6/6/2013  
Expiration Date: 7/28/2015  
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Worthington Foods, Inc.  
1675 Fairview Road  
Zanesville, OH 43701

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

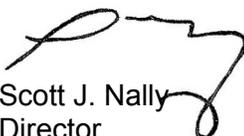
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Southeast District Office  
2195 Front Street  
Logan, OH 43138  
(740)385-8501

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

  
Scott J. Nally  
Director



## Authorization (continued)

**Permit Number:** P0108212  
**Permit Description:** The facility is requesting a change in the method of operation to allow this source to make new products using flavorings that contain VOC. The Crumbles Cooker did not start making products with VOC-containing flavors until July 2009. Previously exempt as emissions under ten pounds of VOC per day. An increase is proposed in this application as a modification to allow usage of higher-VOC cleaners and sanitizers.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

- |                                   |                         |
|-----------------------------------|-------------------------|
| <b>Emissions Unit ID:</b>         | <b>P004</b>             |
| Company Equipment ID:             | Phase II Hot Air Oven   |
| Superseded Permit Number:         |                         |
| General Permit Category and Type: | Not Applicable          |
| <b>Emissions Unit ID:</b>         | <b>P007</b>             |
| Company Equipment ID:             | Rice Cooker             |
| Superseded Permit Number:         |                         |
| General Permit Category and Type: | Not Applicable          |
| <b>Emissions Unit ID:</b>         | <b>P008</b>             |
| Company Equipment ID:             | Cleaners and Sanitizers |
| Superseded Permit Number:         |                         |
| General Permit Category and Type: | Not Applicable          |

**Group Name: Alkar Ovens**

<b>Emissions Unit ID:</b>	<b>P005</b>
Company Equipment ID:	Two Alkar Ovens
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>P006</b>
Company Equipment ID:	Alkar Oven 2
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



**Final Permit-to-Install and Operate**  
Worthington Foods, Inc.  
**Permit Number:** P0108212  
**Facility ID:** 0660010264  
**Effective Date:** 6/6/2013

## **A. Standard Terms and Conditions**



**1. What does this permit-to-install and operate ("PTIO") allow me to do?**

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

**2. Who is responsible for complying with this permit?**

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

**3. What records must I keep under this permit?**

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

**4. What are my permit fees and when do I pay them?**

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

**5. When does my PTIO expire, and when do I need to submit my renewal application?**

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is



very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

**6. What happens to this permit if my project is delayed or I do not install or modify my source?**

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

**7. What reports must I submit under this permit?**

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

**8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?**

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

**9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?**

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.



**10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?**

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Southeast District Office in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

**11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?**

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

**12. What happens if one or more emissions units operated under this permit is/are shut down permanently?**

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting<sup>1</sup> a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

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<sup>1</sup> Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).



**13. Can I transfer this permit to a new owner or operator?**

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

**14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?**

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

**15. What happens if a portion of this permit is determined to be invalid?**

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



**Final Permit-to-Install and Operate**  
Worthington Foods, Inc.  
**Permit Number:** P0108212  
**Facility ID:** 0660010264  
**Effective Date:** 6/6/2013

## **B. Facility-Wide Terms and Conditions**



**Final Permit-to-Install and Operate**

Worthington Foods, Inc.

**Permit Number:** P0108212

**Facility ID:** 0660010264

**Effective Date:** 6/6/2013

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



**Final Permit-to-Install and Operate**  
Worthington Foods, Inc.  
**Permit Number:** P0108212  
**Facility ID:** 0660010264  
**Effective Date:** 6/6/2013

## **C. Emissions Unit Terms and Conditions**



**1. P004, Phase II Hot Air Oven**

**Operations, Property and/or Equipment Description:**

Direct-fired oven for the cooking of food products; maximum heat input of 2.5 MMBtu/hr from natural gas.

a) 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. g)(1).

(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. b)(1)b., c)(1), d)(3), e)(3), f)(1)c.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	Emissions of volatile organic compounds (VOC) shall not exceed 13.0lbs/hr.  Particulate Emissions (PE) shall not exceed 0.02 lb/hr and 0.09 tons per year (TPY).  Emissions of nitrogen oxides (NOx) shall not exceed 0.26 lb/hr and 1.15 tons per year (TPY).  Emissions of carbon monoxide (CO) shall not exceed 0.22 lb/hr and 0.97 tons per year (TPY).  Emissions of sulfur dioxide (SO <sub>2</sub> ) shall not exceed 0.002 lb/hr and 0.01 tons per year (TPY).



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		See b)(2)a. below.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1)(a).
b.	OAC rule 3745-31-05(D) (synthetic minor to avoid Title V)	Emissions of VOC shall not exceed 6.0 tons per rolling 12-month period.  See c)(1) below.
c.	OAC rule 3745-31-05(C), as effective 12/01/06	See b)(2)b.i. below.
d.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)b.ii. below.
e.	OAC rule 3745-17-07(A)(1)(a)	Visible PE shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
f.	OAC rule 3745-17-10(B)(1)	PE from combustion stack shall not exceed 0.020 lb per million Btu.  This emissions limitation is less stringent than the limitations listed under OAC rule 3745-31-05(A)(3), until such time as U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as part of the State Implementation Plan.

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulation for NAAQS pollutant less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.
- b. These rule paragraphs apply once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.



i. Permit to Install and operate P0108212 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purposes of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) for VOC emissions.

(a) 6.0 tons of VOC per rolling, 12-month period, as restricted in c)(1) below.

ii. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the Particulate Emissions (PE), Nitrogen Oxides (NOx), Sulfur Oxides (SOx), and Carbon Monoxide (CO) emissions from this air contaminant source since the uncontrolled potential to emit for PE, NOx, SOx, and CO emissions are less than ten tons per year.

c) Operational Restrictions

(1) Flavoring and fuel usage shall not cause VOC emissions to exceed 6.0 tons per rolling, 12-month period based on the following equations:

a. Monthly VOC from flavorings:

$$\sum_{i=1}^n (a_i * c_i) / 2,000 \text{ lbs/ton}$$

a<sub>i</sub> = the amount of flavoring i used, in pounds, during the month;

c<sub>i</sub> = VOC content of flavoring i, as percent by weight;

b. Monthly potential VOC from fuel burning:

$$1.93 \text{ MMscf natural gas (maximum possible natural gas burned in a month)} * 5.5 \text{ lb VOC/MMscf} / 2,000 \text{ lb/ton} = 0.005 \text{ ton VOC}$$

emission factor from AP-42 table 1.4-2, 07/1998

c. Total monthly VOC

$$\text{Total monthly VOC} = \text{VOC from flavorings} + 0.005 \text{ ton VOC from fuel burning}$$

d. Total VOC per rolling, 12-month period

$$\sum_{i=1}^{12} \text{total monthly VOC}$$

i = calendar month

$$\text{Total VOC, per rolling 12-month period} \leq 6.0 \text{ tons}$$



This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the emissions, upon issuance of this permit.

(2) The permittee shall burn only natural gas in this emissions unit.

d) Monitoring and/or Recordkeeping Requirements

(1) 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.

(2) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

Note: The presence of water vapor in the plume does not constitute visible emissions.

(3) The permittee shall maintain monthly records of the following information:

- a. the company identification of each flavoring used;
- b. the VOC content of each flavoring used, as percent by weight;
- c. the amount of each VOC-containing flavoring used, in pounds;
- d. total VOC emissions from volatilization of flavorings (calculated per c)(1)a.), in tons;
- e. total VOC emissions from flavoring and combustion (d. + 0.005); and
- f. rolling, 12-month total VOC emissions.

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.



- (2) 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.
- (3) The permittee shall submit quarterly deviation (excursion) reports that identify:
  - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
    - i. all exceedances of the rolling, 12-month emission limitation for VOC.
  - b. the probable cause of each deviation (excursion);
  - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
  - d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

- (4) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation:

Emissions of VOC shall not exceed 13.0 lbs/hr.

Applicable Compliance Method:

The VOC limitation was established for PTI purposes to reflect the emissions unit's "worst case" potential to emit and was calculated based on the highest VOC content flavoring as follows:



VOC from flavoring

Max operating rate in lbs/hr \* percent of flavoring in product \* percent VOC in flavoring = 11.3 lbs/hr(with 15% flexibility factory) = 13.0 lbs/hr

VOC from fuel burning

(23.1 MMscf/year \* 5.5 lbs/MMscf (AP-42, 5th Edition, Table 1.4-2, July 1998)) / 8760 hr/year = 0.014 lb/hr

Total VOC

13.0 + 0.014 = 13.0 lbs/hr

If required, VOC emissions shall be determined according to test Methods 1 - 4, and 18, 25, or 25A as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

b. Emissions Limitations:

PE shall not exceed 0.02 lb/hr and 0.09 TPY.

Emissions of NO<sub>x</sub> shall not exceed 0.26 lb/hr and 1.15 TPY.

Emissions of CO shall not exceed 0.22 lb/hr and 0.97 TPY

Emissions of SO<sub>2</sub> shall not exceed 0.002 lb/hr and 0.01 TPY.

Applicable Compliance Method:

The PE, NO<sub>x</sub>, CO, and SO<sub>2</sub> limitations were established for PTI purposes to reflect the emissions unit potential to emit and was calculated based on the maximum capacity of the emissions unit as follows:

PE

(23.1 MMscf/year \* 7.6 lbs/MMscf (AP-42, 5th Edition, Table 1.4-2, July 1998)) / 8,760 hr/year = 0.02 lb/hr

Annual PE

(0.02 lb/hr \* 8,760 hr/year)/2,000 lbs/ton = 0.09 TPY

NO<sub>x</sub>

(23.1MMscf/year \* 100 lbs/MMscf(AP-42, 5th Edition, Table 1.4-1, July 1998)) / 8,760 hr/year = 0.26 lb/hr



Annual NO<sub>x</sub>

$$(0.26 \text{ lb/hr} * 8760 \text{ hr/year})/2,000 \text{ lbs/ton} = 1.15 \text{ TPY}$$

CO

$$(23.1 \text{ MMscf/year} * 84 \text{ lbs/MMscf (AP-42, 5th Edition, Table 1.4-1, July 1998)}) / 8,760 \text{ hr/year} = 0.22 \text{ lb/hr}$$

Annual CO

$$(0.22 \text{ lb/hr} * 8,760 \text{ hr/year})/2000 \text{ lbs/ton} = 0.97 \text{ TPY}$$

SO<sub>2</sub>

$$(23.1 \text{ MMscf/year} * 0.6 \text{ lbs/MMscf (AP-42, 5th Edition, Table 1.4-2, July 1998)}) / 8,760 \text{ hr/year} = 0.002 \text{ lb/hr}$$

Annual SO<sub>2</sub>

$$(0.002 \text{ lb/hr} * 8,760 \text{ hr/year})/2,000 \text{ lbs/ton} = 0.01 \text{ TPY}$$

If required, particulate emissions shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

If required, nitrogen oxides emissions shall be determined according to test Methods 1 - 4, and 7 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

If required, carbon monoxide emissions shall be determined according to test Methods 1 - 4, and 10 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

If required, sulfur dioxide emissions shall be determined according to test Methods 1 - 4, and 6 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

c. Emissions Limitation:

Emissions of VOC shall not exceed 6.0 tons per rolling, 12-month period.



Applicable Compliance Method:

Compliance with the rolling, 12-month emission limit shall be based on the record keeping in d)(3) and the calculations in c)(1). This limit was requested by the permittee.

d. Emissions Limitation:

Visible PE shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

If required, visible PE shall be determined according to USEPA Method 9.

e. Emissions Limitation:

PE from combustion stack shall not exceed 0.020 lb per million Btu.

Applicable Compliance Method:

If required, particulate emissions shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office, and the procedures specified in OAC rule 3745-17-03(B)(9).

g) Miscellaneous Requirements

- (1) Modeling to demonstrate compliance with, the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745 31 requires permittees to apply for and obtain a new or modified FEPTIO prior to making a "modification" as defined by OAC rule 3745 31 01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new FEPTIO.



**2. Emissions Unit Group – Alkar Ovens: P005, P006**

**EU ID Operations, Property and/or Equipment Description**

- P005 Steam heated indirect oven for cooking of food products (steam supplied by exempt boiler).
- P006 Steam heated indirect oven for cooking of food products(steam supplied by exempt boiler).

a) 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. g)(1).

(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. b)(1)b., c)(1), d)(1), e)(2), f)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	Emissions of volatile organic compounds (VOC) shall not exceed 3.78lbs/hr from each emissions unit.  See b)(2)a. below.
b.	OAC rule 3745-31-05(D) (synthetic minor to avoid Title V)	Emissions of VOC shall not exceed 9.90 tons per rolling, 12-month period from each emissions unit.  See c)(1) below.
c.	OAC rule 3745-31-05(C), as effective 12/01/06	See b)(2)b. below.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001,



in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulation for NAAQS pollutant less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.

- b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.
  - i. Permit to Install and operate P0108212 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purposes of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) for VOC emissions.
    - (a) 9.90 tons of VOC per rolling, 12-month period, as restricted in c)(1) below for each emissions unit, P005 and P006.

c) Operational Restrictions

(1) Flavoring usage from each emissions unit, P005 and P006, shall not cause VOC emissions to exceed 9.90 tons per rolling, 12-month period based on the following equations:

a. Monthly VOC from flavorings:

$$\sum_{i=1}^n (a_i * c_i) / 2,000 \text{ lbs/ton}$$

a<sub>i</sub> = the amount of flavoring i used, in pounds, during the month;

c<sub>i</sub> = VOC content of flavoring i, as percent by weight;

b. Total VOC per rolling, 12-month period:

$$\sum_{i=1}^{12} \text{total monthly VOC}$$

i = calendar month

Total VOC per rolling, 12-month period ≤ 9.90 tons



These emissions units have been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the emissions, upon issuance of this permit.

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain monthly records of the following information for each emissions unit, P005 and P006:
  - a. the company identification of each flavoring used;
  - b. the VOC content of each flavoring used, as percent by weight;
  - c. the amount of each VOC-containing flavoring used, in pounds;
  - d. total VOC emissions from volatilization of flavorings (calculated per c)(1)a.), in tons; and
  - e. rolling, 12-month total VOC emissions.

e) **Reporting Requirements**

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:
  - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
    - i. all exceedances of the rolling, 12-month emission limitation for VOC for each emissions unit, P005 and P006.
  - b. the probable cause of each deviation (excursion);
  - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
  - d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).



- (3) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation:

Emissions of VOC shall not exceed 3.78 lbs/hr for each emissions unit.

Applicable Compliance Method:

The VOC limitation was established for PTI purposes to reflect the emissions unit's "worst case" potential to emit and was calculated based on the highest VOC content flavoring as follows:

VOC from flavoring

Max operating rate in lbs/hr \* percent of flavoring in product \* percent VOC in flavoring = 3.28 lbs/hr(with 15% flexibility factory) = 3.78 lbs/hr

If required, VOC emissions shall be determined according to test Methods 1 - 4, and 18, 25, or 25A as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

- b. Emissions Limitation:

Emissions of VOC shall not exceed 9.90 tons per rolling, 12-month period for each emissions unit.

Applicable Compliance Method:

Compliance with the rolling, 12-month emission limit shall be based on the record keeping in d)(1) and the calculations in c)(1). This limit was requested by the permittee.

g) Miscellaneous Requirements

- (1) Modeling to demonstrate compliance with, the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745 31 requires permittees to apply for and



**Final Permit-to-Install and Operate**

Worthington Foods, Inc.

**Permit Number:** P0108212

**Facility ID:** 0660010264

**Effective Date:** 6/6/2013

obtain a new or modified FEPTIO prior to making a "modification" as defined by OAC rule 3745 31 01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new FEPTIO.



**3. P007, Crumbles Cooker**

**Operations, Property and/or Equipment Description:**

Steam heated indirect oven for cooking of food products(steam supplied by exempt boiler).

a) 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. g)(1).

(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. b)(1)b., c)(1), d)(1), e)(2), f)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	Emissions of volatile organic compounds (VOC) shall not exceed 3.06lbs/hr.  See b)(2)a. below.
b.	OAC rule 3745-31-05(D) (synthetic minor to avoid Title V)	Emissions of VOC shall not exceed 6.0 tons per rolling, 12-month period.  See c)(1) below.
c.	OAC rule 3745-31-05(C), as effective 12/01/06	See b)(2)b. below.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulation for NAAQS



pollutant less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

i. Permit to Install and operate P0108212 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purposes of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) for VOC emissions.

(a) 6.0 tons of VOC per rolling, 12-month period, as restricted in c)(1) below.

c) Operational Restrictions

(1) Flavoring usage shall not cause VOC emissions to exceed 6.0 tons per rolling, 12-month period based on the following equations:

a. Monthly VOC from flavorings:

$$\sum_{i=1}^n (a_i * c_i) / 2,000 \text{ lbs/ton}$$

a<sub>i</sub> = the amount of flavoring i used, in pounds, during the month;

c<sub>i</sub> = VOC content of flavoring i, as percent by weight;

b. Total VOC per rolling, 12-month period:

$$\sum_{i=1}^{12} \text{total monthly VOC}$$

i = calendar month

Total VOC per rolling 12-month period ≤ 6.0 tons

This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the emissions, upon issuance of this permit.



d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the following information:
  - a. the company identification of each flavoring used;
  - b. the VOC content of each flavoring used, as percent by weight;
  - c. the amount of each VOC-containing flavoring used, in pounds;
  - d. total VOC emissions from volatilization of flavorings (calculated per c)(1)a.), in tons; and
  - e. rolling, 12-month total VOC emissions.

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:
  - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
    - i. allexceedances of the rolling, 12-month emission limitation for VOC.
  - b. the probable cause of each deviation (excursion);
  - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
  - d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

- (3) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall



cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

Emissions of VOC shall not exceed 3.06 lbs/hr.

Applicable Compliance Method:

The VOC limitation was established for PTI purposes to reflect the emissions unit's "worst case" potential to emit and was calculated based on the highest VOC content flavoring as follows:

VOC from flavoring

Max operating rate in lbs/hr \* percent of flavoring in product \* percent VOC in flavoring = 2.66 lbs/hr(with 15% flexibility factory) = 3.06 lbs/hr

If required, VOC emissions shall be determined according to test Methods 1 - 4, and 18, 25, or 25A as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

b. Emissions Limitation:

Emissions of VOC shall not exceed 6.0 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the rolling, 12-month emission limit shall be based on the record keeping in d)(1) and the calculations in c)(1). This limit was requested by the permittee.

g) Miscellaneous Requirements

(1) Modeling to demonstrate compliance with, the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745 31 requires permittees to apply for and obtain a new or modified FEPTIO prior to making a "modification" as defined by OAC rule 3745 31 01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new FEPTIO.



**4. P008, Cleaners and Sanitizers**

**Operations, Property and/or Equipment Description:**

Cleaning sanitizers and chemicals that are used in the facility to maintain a sanitary environment for the safe production of food products.

a) 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. g)(1).

(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. b)(1)b., c)(1), d)(1), e)(2), f)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	Emissions of volatile organic compounds (VOC) shall not exceed 7.43lbs/hr.  See b)(2)a. below.
b.	OAC rule 3745-31-05(D) (synthetic minor to avoid Title V)	Emissions of VOC shall not exceed 9.90 tons per rolling, 12-month period.  See c)(1) below.
c.	OAC rule 3745-31-05(C), as effective 12/01/06	See b)(2)b.i. below.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265



changes), such that BAT is no longer required by State regulation for NAAQS pollutant less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.

- b. These rule paragraphs apply once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.
  - i. Permit to Install and operate P0108212 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purposes of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) for VOC emissions.
    - (a) 9.9 tons of VOC per rolling, 12-month period, as restricted in c)(1) below.

c) Operational Restrictions

(1) Cleaner and sanitizer usage shall not cause VOC emissions to exceed 9.90 tons per rolling, 12-month period based on the following equations:

a. Monthly VOC from cleaners/sanitizers:

$$\sum_{i=1}^n (a_i * c_i) / 2,000 \text{ lbs/ton}$$

$a_i$  = the amount of cleaner/sanitizer i used, in pounds, during the month;

$c_i$  = VOC content of cleaner/sanitizer i, as percent by weight;

b. Total VOC per rolling, 12-month period:

$$\sum_{i=1}^{12} \text{total monthly VOC}$$

i = calendar month

Total VOC per rolling 12-month period  $\leq$  9.90 tons

This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the emissions, upon issuance of this permit.



d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the following information:
  - a. the company identification of each cleaner/sanitizer used;
  - b. the VOC content of each cleaner/sanitizer used, as percent by weight;
  - c. the amount of each VOC-containing cleaner/sanitizer used, in pounds;
  - d. total VOC emissions from volatilization of cleaner/sanitizer (calculated per c)(1)a.), in tons; and
  - e. rolling, 12-month total VOC emissions.

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:
  - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
    - i. allexceedances of the rolling, 12-month emission limitation for VOC.
  - b. the probable cause of each deviation (excursion);
  - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
  - d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

- (3) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall



cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

Emissions of VOC shall not exceed 7.43 lbs/hr.

Applicable Compliance Method:

The VOC limitation was established for PTI purposes to reflect the emissions unit's "worst case" potential to emit and was calculated based on the highest VOC as submitted in permittee's application.

b. Emissions Limitation:

Emissions of VOC shall not exceed 9.90 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the rolling, 12-month emission limit shall be based on the record keeping in d)(1) and the calculations in c)(1). This limit was requested by the permittee.

g) Miscellaneous Requirements

(1) Modeling to demonstrate compliance with, the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745 31 requires permittees to apply for and obtain a new or modified FEPTIO prior to making a "modification" as defined by OAC rule 3745 31 01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new FEPTIO.