



John R. Kasich, Governor
 Mary Taylor, Lt. Governor
 Craig W. Butler, Director

2/19/2015

Mr. Guy Donzella
 AS AMERICA, INC.-SALEM, OH PLANT
 605 S. Ellsworth Avenue
 Salem, OH 44460

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0215090011
 Permit Number: P0118445
 Permit Type: Administrative Modification
 County: Columbiana

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

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

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

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.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 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, Northeast District Office at (330)963-1200 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Erica R. Engel-Ishida, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-NEDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
AS AMERICA, INC.-SALEM, OH PLANT**

Facility ID:	0215090011
Permit Number:	P0118445
Permit Type:	Administrative Modification
Issued:	2/19/2015
Effective:	2/19/2015
Expiration:	7/22/2019



Division of Air Pollution Control
Permit-to-Install and Operate
for
AS AMERICA, INC.-SALEM, OH PLANT

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Authorization

Facility ID: 0215090011
Application Number(s): M0003250
Permit Number: P0118445
Permit Description: Admin mod FEPTIO for K001 to clarify that dust collectors ES-05 and ES-06 do not need to operate whenever the EU is in operation. This admin mod seeks to communicate that the auxiliary spray booth and corresponding dust collector (ES-06) operates independently of the primary spray booth and its corresponding dust collector (ES-05) on the K001, Smallware Finish Coating Line.
Permit Type: Administrative Modification
Permit Fee: \$0.00
Issue Date: 2/19/2015
Effective Date: 2/19/2015
Expiration Date: 7/22/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

AS AMERICA, INC.-SALEM, OH PLANT
605 S. Ellsworth Avenue
Salem, OH 44460

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

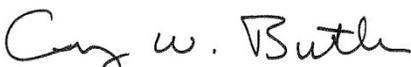
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330)963-1200

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


Craig W. Butler
Director



Final Permit-to-Install and Operate
AS AMERICA, INC.-SALEM, OH PLANT
Permit Number: P0118445
Facility ID: 0215090011
Effective Date: 2/19/2015

Authorization (continued)

Permit Number: P0118445

Permit Description: Admin mod FEPTIO for K001 to clarify that dust collectors ES-05 and ES-06 do not need to operate whenever the EU is in operation. This admin mod seeks to communicate that the auxiliary spray booth and corresponding dust collector (ES-06) operates independently of the primary spray booth and its corresponding dust collector (ES-05) on the K001, Smallware Finish Coating Line.

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

Emissions Unit ID:	K001
Company Equipment ID:	Smallware Finish Coating Line
Superseded Permit Number:	P0116864
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
AS AMERICA, INC.-SALEM, OH PLANT
Permit Number: P0118445
Facility ID: 0215090011
Effective Date: 2/19/2015

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. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. 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 of this permit 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 [DO/LAA] 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 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 emission 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.



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
AS AMERICA, INC.-SALEM, OH PLANT
Permit Number: P0118445
Facility ID: 0215090011
Effective Date: 2/19/2015

B. Facility-Wide Terms and Conditions



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) B.2, B.3 and B.4
2. The total emissions from all of the air contaminant sources at this facility (except those units that are defined as trivial by Ohio EPA DAPC Engineering Guide 62) shall not exceed the following emissions limitations for any rolling, 12-month period:
 - a) 95.0 tons of volatile organic compounds (VOC);
 - b) 9.50 tons of any single hazardous air pollutant (HAP); and
 - c) 24.50 tons of aggregate HAP.
3. At the end of each month, the permittee shall collect, calculate, and record the following information:
 - a) The actual rolling, 12-month summation of the VOC, Styrene, Toluene, (any single HAP), and aggregate HAP emissions, calculated by adding the current month's emissions from all the air contaminant sources at this facility (except those units that are defined as trivial by Ohio EPA DAPC Engineering Guide 62) to the emissions for the preceding eleven calendar months.

The VOC emissions would be from all of the VOC containing (non-frit, i.e., non-borosilicate or non-porcelain enamel) coatings, resins, adhesives, mold cleaners, mold release agents, sealers, primers, solvents, and cleanup materials applied in all air contaminant sources at the facility.

1.12 tons of VOC emissions shall be added to the actual rolling, 12-month VOC emissions records, to represent the potential annual VOC emissions from the combustion of natural gas in the drying ovens, curing furnaces, and the thermal oxidizer, permitted in the following air contaminant sources: K001, R005, R008, R009, R018, R019, R020 and R022.
4. The permittee shall submit quarterly deviation (excursion) reports that identify any rolling, 12-month period during which the sum of the emissions from all of the air contaminant sources at this facility (except those units that are defined as trivial by Ohio EPA DAPC Engineering Guide 62) exceed any of the limitations in B.2.

These reports shall also include the probable cause of each deviation and the corrective action(s) taken to remedy the deviation(s).



Final Permit-to-Install and Operate
AS AMERICA, INC.-SALEM, OH PLANT
Permit Number: P0118445
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Effective Date: 2/19/2015

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during the quarter.

These reports shall be submitted (i.e., electronically via Air Service) quarterly to the Ohio EPA Northeast District Office by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarters.



Final Permit-to-Install and Operate
AS AMERICA, INC.-SALEM, OH PLANT
Permit Number: P0118445
Facility ID: 0215090011
Effective Date: 2/19/2015

C. Emissions Unit Terms and Conditions



1. K001, Smallware Finish Coating Line

Operations, Property and/or Equipment Description:

Smallware Department Finish Coat Line vented to 2 dust collectors (ES-05 (primary) and ES-06 (auxiliary)). This operation includes a primary and auxiliary spray booth, drying oven (900 ft³/hr), and curing furnace (4,800 ft³/hr).

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. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(1)e

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)	Emissions from this emissions unit shall not exceed the following limitations from process operations: Particulate Emissions (PE) shall not exceed 0.47 pound per hour and 2.06 tons per year from dust collectors ES-05 and ES-06. Visible PE shall not exceed 10% opacity as a 6-minute average. Emissions from the combustion of natural gas in the drying oven and curing furnace shall not exceed the following limitations: Volatile Organic Compound (VOC)



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		emissions shall not exceed 0.03 pound per hour and 0.14 ton per year; Nitrogen Oxide (NOx) emissions shall not exceed 0.57 pound per hour and 2.50 tons per year; and Carbon Monoxide (CO) emissions shall not exceed 0.48 pound per hour and 2.10 tons per year.
c.	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
e.	OAC rule 3745-31-05(D)(1)(b)	See B.2, B.3 and B.4.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

- (1) The permittee shall operate the dust collectors (ES-05 and ES-06) whenever the corresponding spray booth (primary and auxiliary, respectively) in the emissions unit is in operation.
- (2) The pressure drop across each of the dust collectors (ES-05 and ES-06) shall be maintained within the following ranges while the corresponding spray booth in the emissions unit is in operation:

 ES-05: 2.2 to 5.5 inches of water

 ES-06: 5.0 to 7.5 inches of water
- (3) The permittee shall burn only natural gas in the drying oven and curing furnace serving this emissions unit. The emissions from natural gas combustion are permitted at the potential usage of natural gas in all of the drying ovens contained in this permit.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records that document any time periods when the dust collectors were not in service while the corresponding spray booth in the emissions unit was in operation.



- (2) The permittee shall properly operate and maintain equipment to monitor the pressure drop across each of the dust collectors (ES-05 and ES-06) while the corresponding spray booth in the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each of the dust collectors on a weekly basis.
 - (3) 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 the other fuel burned in this emissions unit.
 - (4) At the end of each year the permittee shall collect and record the total tons of frit coatings applied in this air contaminant source, to be used in the annual demonstration of compliance with the particulate emission limitation from overspray, by applying the annual tons of frit coating employed in the calculation of the estimated emissions contained in f)(1)(b).
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted 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.
 - (2) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the District Office or Local Air Agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.
- f) Testing Requirements
- (1) Compliance with the emission limitations in b)(1) and b)(2) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
0.47 pound per hour of PE (total from dust collectors ES-05 and ES-06)



Applicable Compliance Method:

This limit represents the estimated controlled potential emissions of this air contaminant source, calculated as follows:

$$(107 \text{ parts/hr}) \times (2.5 \text{ lbs coat/part}) \times (100\%-30\%TE) \times (25\% \text{ to filter}^*) \times (100\%-99\% \text{ control for ES-05 and ES-06}) = 0.47 \text{ lb/hr}$$

If required by the Ohio EPA, compliance with the allowable particulate emission limitation shall be determined in accordance with U.S. EPA Reference Methods 1 through 5 of 40 CFR Part 60, Appendix A.

* it is estimated that a minimum of 75% of the overspray is collected in the reclaim trough

b. Emission Limitation:

2.06 tons per year of PE (total from dust collectors ES-05 and ES-06)

Applicable Compliance Method:

The annual emission limitation is based on the allowable hourly emission rate (0.47 lb/hr) multiplied by the maximum possible operating hours (8,760 hrs/yr), and divided by 2,000 lbs/ton. In order to demonstrate compliance with the annual particulate emission limitation from frit coatings, the following calculation shall be performed at the end of each year:

$$PE = (FC \times 70\% \text{ overspray} \times 25\% \text{ to filter} \times 1\% \text{ lost from filter})$$

where:

PE = total estimated particulate emissions from overspray, in tons of PE per year

FC = total annual frit coating usage in this emissions unit, in tons per year

c. Emission Limitations from natural gas combustion:

0.03 pound per hour of VOC emissions;

0.57 pound per hour of NO_x emissions; and

0.48 pound per hour of CO emissions;

Applicable Compliance Method:

Compliance with the hourly emission limitations from natural gas combustion may be demonstrated by multiplying the appropriate AP-42 emission factor from "Compilation of Air Pollutant Emission Factors," Tables 1.4-1 and 1.4-2 (7/98) for natural gas, by the maximum hourly natural gas usage rate of the oven and furnace (5,700 ft³/hr, combined). The emissions factors are 100 lbsNO_x/mmft³, 84 lbs CO/mmft³, and 5.5 lbs VOC/mmft³. If required, the permittee shall



demonstrate compliance with the hourly emission limitations in accordance with the appropriate U.S. EPA test methods specified in 40 CFR Part 60, Appendix A.

d. Emission Limitations from natural gas combustion:

0.14 ton per year of VOC emissions;

2.50 tons per year of NO_x emissions; and

2.10 tons per year of CO emissions;

Applicable Compliance Method:

The annual emission limitations are based on the allowable hourly emission rates multiplied by the maximum possible operating hours (8,760 hrs/yr), and divided by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitations, compliance will also be shown for the annual emission limitations.

e. Emission Limitation:

Visible PE shall not exceed 10% opacity as a 6-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-17-03(B)(1) or other U.S.EPA approved test method with prior approval for the Ohio EPA.

g) Miscellaneous Requirements

- (1) The requirements of this Federally Enforceable Permit-to-Install and Operate (FEPTIO) shall supersede the requirements contained in all previous air permits issued for this air contaminant source.