



1/30/2014

Certified Mail

Doug Duerr
 Crown Equipment Corp. Plants 3,4,5, & 7
 44 South Washington Street
 New Bremen, OH 45869

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
 Facility ID: 0306000112
 Permit Number: P0115849
 Permit Type: Renewal
 County: Auglaize

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

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, Northwest District Office at (419)352-8461 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-NWDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Crown Equipment Corp. Plants 3,4,5, & 7**

| | |
|----------------|------------|
| Facility ID: | 0306000112 |
| Permit Number: | P0115849 |
| Permit Type: | Renewal |
| Issued: | 1/30/2014 |
| Effective: | 1/30/2014 |
| Expiration: | 1/30/2024 |



Division of Air Pollution Control
Permit-to-Install and Operate
for
Crown Equipment Corp. Plants 3,4,5, & 7

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Final Permit-to-Install and Operate
Crown Equipment Corp. Plants 3,4,5, & 7
Permit Number: P0115849
Facility ID: 0306000112
Effective Date: 1/30/2014

Authorization

Facility ID: 0306000112
Application Number(s): A0049061, A0049659
Permit Number: P0115849
Permit Description: PTIO to transition facility out of Title V status.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 1/30/2014
Effective Date: 1/30/2014
Expiration Date: 1/30/2024
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Crown Equipment Corp. Plants 3,4,5, & 7
424 West Monroe Street
New Bremen, OH 45869

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

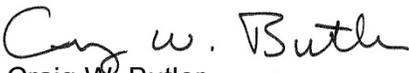
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

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
Interim Director



Authorization (continued)

Permit Number: P0115849
Permit Description: PTIO to transition facility out of Title V status.

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

| | |
|-----------------------------------|--|
| Emissions Unit ID: | B001 |
| Company Equipment ID: | N.G. Make Up Air Unit (Plt. 4) |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | K003 |
| Company Equipment ID: | Large Parts Paint Line (990230) (Plt. 4) |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | K007 |
| Company Equipment ID: | Touch-Up Production Paint Booth (941006)(Plt. 4) |
| Superseded Permit Number: | 03-16031 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | K009 |
| Company Equipment ID: | Touch-Up Paint Booth (950801)(Plt. 4) |
| Superseded Permit Number: | 03-16031 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | K010 |
| Company Equipment ID: | Maintenance Paint Booth (Maint. Bldg.) |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | K011 |
| Company Equipment ID: | RC Touch-Up Paint Booth (890725) (Plt. 4) |
| Superseded Permit Number: | 03-07379 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | K012 |
| Company Equipment ID: | KMI Paint Spray Booth (Plt. 5) |
| Superseded Permit Number: | 03-14037 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | K014 |
| Company Equipment ID: | KMI Paint Spray Booth (Large RR) (Plant 4) |
| Superseded Permit Number: | 03-16307 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | K015 |
| Company Equipment ID: | Touch-up Paint Booth (K015) (Plt. 4) |
| Superseded Permit Number: | P0115198 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | N002 |
| Company Equipment ID: | Heat Cleaning Oven (Steelman 8910) (Plt. 4) |
| Superseded Permit Number: | 03-13974 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | P002 |



Final Permit-to-Install and Operate
Crown Equipment Corp. Plants 3,4,5, & 7
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Company Equipment ID: Shot Blast 2484 (Double Door) (Plt. 4)
Superseded Permit Number: 03-2644
General Permit Category and Type: Not Applicable

Emissions Unit ID:

P009

Company Equipment ID: Hard Chrome Plating System (Plt. 5)
Superseded Permit Number: 03-0490
General Permit Category and Type: Not Applicable

Emissions Unit ID:

P010

Company Equipment ID: Plant 5 Beam Line Shot Blaster
Superseded Permit Number: 03-13700
General Permit Category and Type: Not Applicable

Emissions Unit ID:

P011

Company Equipment ID: Shot Blast 200207 (Powder Line) (Plt. 4)
Superseded Permit Number: 03-13789
General Permit Category and Type: Not Applicable



Final Permit-to-Install and Operate
Crown Equipment Corp. Plants 3,4,5, & 7
Permit Number: P0115849
Facility ID: 0306000112
Effective Date: 1/30/2014

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
Crown Equipment Corp. Plants 3,4,5, & 7
Permit Number: P0115849
Facility ID: 0306000112
Effective Date: 1/30/2014

B. Facility-Wide Terms and Conditions



1. 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:
 - a) None.

2. 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:
 - a) None.



Final Permit-to-Install and Operate
Crown Equipment Corp. Plants 3,4,5, & 7
Permit Number: P0115849
Facility ID: 0306000112
Effective Date: 1/30/2014

C. Emissions Unit Terms and Conditions



1. K003, Large Parts Paint Line (990230) (Plt. 4)

Operations, Property and/or Equipment Description:

Large Parts Paint Line (990230) (Plt. 4)

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. None.

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 3475-21-09(U)(1)(i) | 3.0 lbs volatile organic compounds (VOC) /gallon of coating, excluding water and exempt solvents |
| b. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |

(2) **Additional Terms and Conditions**

a. None.

c) **Operational Restrictions**

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the spray equipment of this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.



- (2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

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

- (1) The permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each coating employed; and
 - b. the VOC content of each coating (excluding water and exempt solvents), as applied, in lbs/gal [the VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B) (8) of OAC rule 3745-21-10 for CVOC,2].

(This information does not have to be kept on a line-by-line basis. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

- (2) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (3) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
- (4) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
- (5) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
 - a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be



made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (6) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any monthly record showing the use of noncomplying coatings. A copy of such record shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within thirty days following the end of the calendar month.

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:

Emission Limitation:

3.0 lbs VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in d)(1). Formulation data or US EPA Method 24 shall be used to determine the VOC contents of the coatings.

g) Miscellaneous Requirements

- (1) None.



2. K007, Touch-Up Production Paint Booth (941006)(Plt. 4)

Operations, Property and/or Equipment Description:

Touch-up Spray Paint Booth (in Paint Line Area) 941006 - Metal Parts

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. b)(1)d., d)(8).

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

a. None.

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) | <u>Coating Operations:</u> 36.5 lbs organic compounds (OC) /day; 6.7 tons OC /year <u>Clean-up Operations:</u> 205 lbs OC /month; 1.23 tons OC /year See b)(2)a. |
| b. | OAC rule 3745-21-09(U)(1)(c) | 3.5 lbs volatile organic compounds (VOC) /gallon of coating, excluding water and exempt solvents, for extreme performance coatings |
| c. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| d. | ORC 3704.04(F) OAC rule 3745-114-01 | See d)(8). |

(2) Additional Terms and Conditions



- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
 - b. The daily OC emission limitation for coatings represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- c) Operational Restrictions
- (1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the spray equipment of this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
 - (2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company name and identification for each coating employed;
 - b. the VOC content of each coating (excluding water and exempt solvents), as applied, in lbs/gal [The VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for CVOC,2.];
 - c. the OC content of each coating, as applied, in lbs/gallon;
 - d. the number of gallons of each coating employed;
 - e. the OC emission rate for each coating [d)(1)c x d)(1)d], in lbs per month;
 - f. the total OC emission rate for all coating [summation of d)(1)e] converted to tons per month; and
 - g. the annual year-to-date OC emissions, in tons, from all the coatings employed [summation of d)(1)f for each calendar month to date, from January to December].
 - (2) The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification of each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;



- c. the OC contents, in pounds per gallon, for each cleanup material employed;
- d. the OC emission rate for each cleanup material employed, in lbs/month [d)(2)b x d)(2)c];
- e. the total OC emissions for all the cleanup materials employed, in pounds [summation of d)(2)d for all cleanup materials]; and
- f. the annual year-to-date OC emissions, in tons, from all the cleanup materials employed [summation of d)(2)e for each calendar month to date, from January to December].

The company may calculate OC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off site for reclamation/disposal:

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material) - (total gallons cleanup material sent off site for disposal or reclamation [minus solids content of said material]) x solvent density.

- (3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (4) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
- (5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
- (6) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
 - a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.



- (7) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.
- (8) 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 a permittee to apply for and obtain a new or modified permit-to-install and operate 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 permit-to-install and operate.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any monthly record showing the use of noncomplying coatings. A copy of such record shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within thirty days following the end of the calendar month.
- 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. Emission Limitations: (coating operations)
36.5 lbs of OC /day, 6.7 tons of OC /year
- Applicable Compliance Method:
The daily allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum daily coatings usage rate (13.5 gallons per day) by the maximum allowable OC content of the coating (2.7 pounds per gallon).
- Compliance with the annual OC emissions limitation shall be based on the record keeping requirements as specified in d)(1).
- b. Emission Limitation: (cleanup operations)
205 of OC /month, 1.23 tons of OC /year



Applicable Compliance Method:

Compliance with the monthly and annual emissions limitations shall be based on the record keeping requirements as specified in d)(2).

c. Emission Limitation:

3.5 lbs VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in d)(1).

(2) Formulation data or US EPA Method 24 shall be used to determine the VOC/OC content of the coatings.

g) Miscellaneous Requirements

(1) None.



3. K009, Touch-Up Paint Booth (950801)(Plt. 4)

Operations, Property and/or Equipment Description:

Touch-up Spray Paint Booth (Plant 4) 950801 - Metal Parts for Lift Trucks

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. b)(1)d., d)(8)

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

a. None.

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) | <u>Coating Operations:</u> 14.8 lbs organic compounds (OC) /day; 2.7 tons OC /year <u>Clean-up Operations:</u> 103 lbs OC /month; 0.62 tons OC /year See b)(2)a. |
| b. | OAC rule 3745-21-09(U)(1)(c) | 3.5 lbs volatile organic compounds (VOC) /gallon of coating, excluding water and exempt solvents, for extreme performance coatings |
| c. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| d. | ORC 3704.04(F) OAC rule 3745-114-01 | See d)(8). |

(2) Additional Terms and Conditions



- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
 - b. The daily OC emission limitation for coatings represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- c) Operational Restrictions
- (1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the spray equipment of this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
 - (2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall collect and record the following each month for this emissions unit:
 - a. the company name and identification for each coating employed;
 - b. the VOC content of each coating (excluding water and exempt solvents), as applied, in lbs/gal [The VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for CVOC,2.];
 - c. the OC content of each coating, as applied, in lbs/gallon;
 - d. the number of gallons of each coating employed;
 - e. the OC emission rate for each coating $[d)(1)c \times d)(1)d]$, in lbs per month;
 - f. the total OC emission rate for all coating [summation of $d)(1)e]$ converted to tons per month; and
 - g. the annual year-to-date OC emissions, in tons, from all the coatings employed [summation of $d)(1)f$ for each calendar month to date, from January to December].
 - (2) The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification of each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;



- c. the OC contents, in pounds per gallon, for each cleanup material employed;
- d. the OC emission rate for each cleanup material employed, in lbs/month [d)(2)b x d)(2)c];
- e. the total OC emissions for all the cleanup materials employed, in pounds [summation of d)(2)d for all cleanup materials]; and
- f. the annual year-to-date OC emissions, in tons, from all the cleanup materials employed [summation of d)(2)e for each calendar month to date, from January to December].

The company may calculate OC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off site for reclamation/disposal:

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material) - (total gallons cleanup material sent off site for disposal or reclamation [minus solids content of said material]) x solvent density.

- (3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (4) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
- (5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
- (6) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
 - a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.



- (7) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.
 - (8) 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 a permittee to apply for and obtain a new or modified permit-to-install and operate 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 permit-to-install and operate.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any monthly record showing the use of noncomplying coatings. A copy of such record shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within thirty days following the end of the calendar month.
- 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. Emission Limitations: (coating operations)
14.8 lbs of OC /day, 2.7 tons of OC /year

Applicable Compliance Method:
The daily allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum daily coatings usage rate (5.6 gallons per hour) by the maximum allowable OC content of the coating (2.64 pounds per gallon).

Compliance with the annual OC emissions limitation shall be based on the record keeping requirements as specified in d)(1).
 - b. Emission Limitations: (cleanup operations)
103 of OC /month, 0.62 tons of OC /year



Applicable Compliance Method:

Compliance with the monthly and annual emissions limitations shall be based on the record keeping requirements as specified in d)(2).

c. Emission Limitation:

3.5 lbs VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in d)(1).

(2) Formulation data or US EPA Method 24 shall be used to determine the VOC/OC content of the coatings.

g) Miscellaneous Requirements

(1) None.



4. K010, Maintenance Paint Booth (Maint. Bldg.)

Operations, Property and/or Equipment Description:

Maintenance Paint Booth (Maint.Bldg.)

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. None.

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) | <u>Coating Operations:</u> 37.9 lbs of organic compounds (OC) /day, 6.92 tons of OC /year <u>Clean-up Operations:</u> 335 of OC /month, 0.60 tons of OC /year See b)(2)a. |
| b. | OAC rule 3745-21-09(U)(2)(e)(iii) | See b)(2)b. |
| c. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |

(2) **Additional Terms and Conditions**

a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(iii).

b. The permittee shall not employ more than ten gallons of coating material per day for the coating of miscellaneous metal parts in this emissions unit.



c) Operational Restrictions

- (1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the spray equipment of this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
- (2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information each day for this emissions unit:
 - a. The name and identification number of each coating employed;
 - b. The volume, in gallons, of each coating employed;
 - c. The total volume, in gallons, of all coatings employed;
 - d. The OC content of each coating employed, in lbs/gallon, as applied;
 - e. The OC emissions rate for each coating employed $[d)(1)b \times d)(1)d]$, for each coating employed]; and
 - f. The total OC emissions rate for all coatings, in lbs/day [summation of $d)(1)e$ for all coatings].
- (2) The permittee shall collect and record the following information each month for this emissions unit:
 - a. The company identification of each cleanup material employed;
 - b. The number of gallons of each cleanup material employed;
 - c. The OC contents, in pounds per gallon, for each cleanup material employed;
 - d. The OC emission rate for each cleanup material employed, in lbs/month $[d)(2)b \times d)(2)c]$;
 - e. The total OC emissions for all the cleanup materials employed, in pounds [summation of $d)(2)d$ for all cleanup materials]; and
 - f. The annual year-to-date OC emissions, in tons, from all the cleanup materials employed [summation of $d)(2)e$ for each calendar month to date, from January to December].



The company may calculate OC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off site for reclamation/disposal:

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material) - (total gallons cleanup material sent off site for disposal or reclamation [minus solids content of said material]) x solvent density.

- (3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (4) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
- (5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
- (6) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
 - a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (7) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

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. Emission Limitations: (coating operations)
37.9 lbs of OC /day, 6.92 tons of OC /year

Applicable Compliance Method:

Compliance with the daily OC emissions limitation shall be based on the record keeping requirements as specified in d)(1).

The annual allowable OC limitation was developed by multiplying the daily limitation by 365, and then dividing by 2000. Therefore, if compliance is shown with the daily limitation, compliance with the annual limitation shall also be demonstrated.

- b. Emission Limitations: (cleanup operations)
335 of OC /month, 0.60 tons of OC /year

Applicable Compliance Method:

Compliance with the monthly and annual OC emissions limitations shall be based on the record keeping requirements as specified in d)(2).

- c. Emission Limitation:
Coating usage shall not exceed 10 gallons per day

Applicable Compliance Method:

Compliance with the coating usage restriction shall be based upon the record keeping requirements as specified in d)(1)c.

- (2) Formulation data or US EPA Method 24 shall be used to determine the OC content of the coatings.

g) Miscellaneous Requirements

- (1) None.



5. K011, RC Touch-Up Paint Booth (890725) (Plt. 4)

Operations, Property and/or Equipment Description:

RC Touch-Up Paint Booth (890725) (Plt. 4)

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. b)(1)d., d)(7).

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

a. None.

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) | 2.0 lbs organic compounds (OC) /hr, 8.76 tons OC /year See b)(2)a. |
| b. | OAC rule 3745-21-09(U)(1)(i) | 3.0lbs volatile organic compounds (VOC) /gallon of coating, excluding water and exempt solvents |
| c. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| d. | ORC 3704.04(F) OAC rule 3745-114-01 | See d)(7). |

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(i).



- b. The hourly OC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- c) **Operational Restrictions**
 - (1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the spray equipment of this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
 - (2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.
- d) **Monitoring and/or Recordkeeping Requirements**
 - (1) The permittee shall collect and record the following information each month for this emissions unit:
 - a. The name and identification number of each coating employed;
 - b. The volume, in gallons, of each coating employed;
 - c. The VOC content of each coating (excluding water and exempt solvents), as applied, in lbs/gal [The VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for CVOC,2.];
 - d. The OC content of each coating employed (including water and exempt solvents) in lbs/gallon, as applied;
 - e. The OC emissions rate for each coating employed [d)(1)b x d)(1)d, for each coating employed];
 - f. The total OC emissions rate for all coatings, in lbs/month [summation of d)(1)e for all coatings]; and
 - g. The annual year-to-date OC emissions, in tons, from all the coatings employed [summation of d)(1)f for each calendar month to date from January to December).
 - (2) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.



- (3) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
- (4) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
- (5) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
 - a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (6) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.
- (7) 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 a permittee to apply for and obtain a new or modified permit-to-install and operate 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 permit-to-install and operate.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any monthly record showing the use of noncomplying coatings. A copy of such record shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within thirty days following the end of the calendar month.
- 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. Emission Limitations:
2.0 lbs OC /hr; 8.76 tons OC /year

Applicable Compliance Method:
The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (1.5 gallons per hour) by the maximum allowable OC content of the coating (1.32 pounds per gallon).

Compliance with the annual OC limitation shall be based upon the record keeping requirements specified in d)(1).
 - b. Emission Limitation:
3.0 lbs VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements specified in d)(1)c.
 - (2) Formulation data or US EPA Method 24 shall be used to determine the VOC/OC contents of the coatings.
- g) Miscellaneous Requirements
- (1) None.



6. K012, KMI Paint Spray Booth (Plt. 5)

Operations, Property and/or Equipment Description:

KMI -Metal Parts Paint Spray Booth (Plt. 5) with Dry Filtration

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. b)(1)d., d)(8).

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

a. None.

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) | <u>Coating Operations:</u> 7.0 lbs volatile organic compounds (VOC) /hr; 30.7 tons VOC /year <u>Clean-up Operations:</u> 205 lbs VOC /month, 1.23 tons /year See b)(2)a. |
| b. | OAC rule 3745-21-09(U)(1)(c) | 3.5 lbs volatile organic compounds (VOC) /gallon of coating, excluding water and exempt solvents, for extreme performance coatings |
| c. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| d. | ORC 3704.04(F) OAC rule 3745-114-01 | See d)(8). |

(2) Additional Terms and Conditions



- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
 - b. The hourly VOC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- c) **Operational Restrictions**
- (1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the spray equipment of this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
 - (2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.
- d) **Monitoring and/or Recordkeeping Requirements**
- (1) The permittee shall collect and record the following information each month for this emissions unit:
 - a. The name and identification number of each coating employed;
 - b. The volume, in gallons, of each coating employed;
 - c. The VOC content of each coating (excluding water and exempt solvents), as applied, in lbs/gal [The VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for CVOC,2.];
 - d. The VOC content of each coating employed (including water and exempt solvents) in lbs/gallon, as applied;
 - e. The VOC emissions rate for each coating employed [d)(1)b x d)(1)d, for each coating employed];
 - f. The total VOC emissions rate for all coatings, in lbs/month [summation of d)(1)e for all coatings]; and
 - g. The annual year-to-date VOC emissions, in tons, from all the coatings employed [summation of d)(1)f for each calendar month to date from January to December].
 - (2) The permittee shall collect and record the following information each month for this emissions unit:



- a. The company identification of each cleanup material employed;
- b. The number of gallons of each cleanup material employed;
- c. The VOC contents, in pounds per gallon, for each cleanup material employed;
- d. The VOC emission rate for each cleanup material employed, in lbs/month [d)(2)b x d)(2)c, for each cleanup material employed];
- e. The total VOC emissions for all the cleanup materials employed, in pounds [summation of d)(2)d for all cleanup materials]; and
- f. The annual year-to-date VOC emissions, in tons, from all the cleanup materials employed [summation of d)(1)e for each calendar month to date from January to December].

The company may calculate VOC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off site for reclamation/disposal:

VOC emissions from cleanup operations = (total gallons of cleanup material used x VOC content of cleanup material) - (total gallons cleanup material sent off site for disposal or reclamation [minus solids content of said material]) x VOC content.

- (3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (4) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
- (5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
- (6) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
 - a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.



These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (7) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.
- (8) 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 a permittee to apply for and obtain a new or modified permit-to-install and operate 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 permit-to-install and operate.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any monthly record showing the use of noncomplying coatings. A copy of such record shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within thirty days following the end of the calendar month.

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. Emission Limitations: (coating operations)
7.0 lbs VOC /hr; 30.7 tons VOC /year

Applicable Compliance Method:

The hourly allowable VOC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (2.0 gallons per hour) by the maximum allowable VOC content of the coating (3.5 pounds per gallon).



Compliance with the annual VOC emission limitation shall be based on the record keeping requirements as specified in d)(1).

- b. Emission Limitations: (cleanup operations)
205 lbs VOC /month, 1.23 tons VOC /year - for cleanup operations

Applicable Compliance Method:

Compliance with the monthly and annual limitations shall be based on the record keeping requirements as specified in d)(2).

- c. Emission Limitation:
3.5 lbs VOC/gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements as specified in d)(1)c.

- (2) Formulation data or US EPA Method 24 shall be used to determine the VOC contents of the coatings.

g) Miscellaneous Requirements

- (1) None.



7. K014, KMI Paint Spray Booth (Large RR) (Plant 4)

Operations, Property and/or Equipment Description:

KMI Paint Spray Booth (Large RR) (Plant 4) - metal parts

- 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. b)(1)d., d)(8).
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. None.
- 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) | <u>Coating Operations:</u> 2.45 lbs volatile organic compounds (VOC) /hr; 10.7 tons VOC /year <u>Clean-up Operations:</u> 103 lbs VOC /month; 0.62 tons VOC /year See b)(2)a. |
| b. | OAC rule 3745-21-09(U)(1)(c) | 3.5 lbs volatile organic compounds (VOC) /gallon of coating, excluding water and exempt solvents, for extreme performance coatings |
| c. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| d. | ORC 3704.04(F) OAC rule 3745-114-01 | See d)(8) |



- (2) Additional Terms and Conditions
 - a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
 - b. The hourly VOC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- c) Operational Restrictions
 - (1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the spray equipment of this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
 - (2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall collect and record the following information each month for this emissions unit:
 - a. The name and identification number of each coating employed;
 - b. The volume, in gallons, of each coating employed;
 - c. The VOC content of each coating (excluding water and exempt solvents), as applied, in lbs/gal [The VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for CVOC,2.];
 - d. The VOC content of each coating employed (including water and exempt solvents) in lbs/gallon, as applied;
 - e. The VOC emissions rate for each coating employed [(1)b x (1)d, for each coating employed];
 - f. The total VOC emissions rate for all coatings, in lbs/month [summation of (1)e for all coatings]; and
 - g. The annual year-to-date VOC emissions, in tons, from all the coatings employed [summation of (1)f for each calendar month to date from January to December].



- (2) The permittee shall collect and record the following information each month for this emissions unit:
- a. The company identification of each cleanup material employed;
 - b. The number of gallons of each cleanup material employed;
 - c. The VOC contents, in pounds per gallon, for each cleanup material employed;
 - d. The VOC emission rate for each cleanup material employed, in lbs/month [d)(2)b x d)(2)c, for each cleanup material employed]; and
 - e. The total VOC emissions for all the cleanup materials employed, in pounds [summation of d)(2)d for all cleanup materials].

The company may calculate VOC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off site for reclamation/disposal:

VOC emissions from cleanup operations = (total gallons of cleanup material used x VOC content of cleanup material) - (total gallons cleanup material sent off site for disposal or reclamation [minus solids content of said material]) x VOC content.

- (3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (4) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
- (5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
- (6) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
- a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be



made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (7) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.
- (8) 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 a permittee to apply for and obtain a new or modified permit-to-install and operate 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 permit-to-install and operate.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any monthly record showing the use of noncomplying coatings. A copy of such record shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within thirty days following the end of the calendar month.

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. Emission Limitations: (coating operations)
2.45 lbs VOC /hr; 10.7 tons VOC /year

Applicable Compliance Method:

The hourly allowable VOC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (0.7 gallons per hour) by the maximum allowable VOC content of the coating (3.5 pounds per gallon).

Compliance with the annual VOC emission limitation shall be based on the record keeping requirements as specified in d)(1).



- b. Emission Limitations: (cleanup operations)
103 lbs VOC /month; 0.62 tons VOC /year

Applicable Compliance Method:

Compliance with the monthly and annual VOC limitations shall be based on the record keeping requirements as specified in d)(2).

- c. Emission Limitation:
3.5 lbs VOC/gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements as specified in d)(1)c.

- (2) Formulation data or US EPA Method 24 shall be used to determine the VOC contents of the coatings.

g) Miscellaneous Requirements

- (1) None.



8. K015, Touch-up Paint Booth (K015) (Plt. 4)

Operations, Property and/or Equipment Description:

Touch-up Paint Booth (Plt. 4) -Spray Coating Line - Metal Parts (Stock Picker Line)

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. b)(1)e., d)(8).

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

a. None.

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

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 3745-31-05(A)(3), as effective 11/30/01 | <u>Coating Operations:</u> 1.4 pounds volatile organic compounds (VOC) per hour; 6.13 tons VOC per year <u>Clean-up Operations:</u> 173 pounds VOC per month; 1.04 tons VOC per year See b)(2)a. |
| b. | OAC 3745-31-05(A)(3), as effective 12/01/06 | See b)(2)b. |
| c. | OAC rule 3745-21-09(U)(1)(d) | 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents, for any coating that is dried at temperatures not |



| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|----|--|---|
| | | exceeding two hundred degrees Fahrenheit |
| d. | OAC 3745-17-11(C) | See c)(1) and c)(2). |
| e. | ORC 3704.04(F) OAC rule 3745-114-01 | See d)(8). |

(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 regulations for NAAQS pollutants 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 revisions 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/controls measures no longer apply.

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

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to VOC emissions from this air contaminant source since the uncontrolled potential to emit for emissions of VOC is less than 10 tons per year.

Coating operations:

The potential to emit for this emissions unit is 5.04 ton of VOC per year based on multiplying the maximum VOC content of 1.4 lbs per gallon (as applied) by the maximum usage rate of 1.0 gallon per hour, and a maximum operating schedule of 8760 hours per year, and divided by 2000 lbs per ton.

Clean-up operations:

The potential to emit for this emissions unit is 1.04 ton of VOC per year based on multiplying the maximum VOC content of 6.91 lbs per gallon by the maximum usage rate of 25 gallons per month, and a maximum operating schedule of 12 months per year, and divided by 2000 lbs per ton.

c. The hourly VOC emission limitation for coatings represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.



c) Operational Restrictions

- (1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the spray equipment of this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
- (2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information each month for all coatings employed in this emissions unit:
 - a. the name and identification number of each coating employed;
 - b. the VOC content of each coating, as applied, in pounds per gallon;
 - c. the VOC content of each coating (excluding water and exempt solvents), in pounds per gallon, as applied [the VOC content shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for CVOC,2];
 - d. the number of gallons of each coating employed;
 - e. the VOC emission rate for each coating $[d)(1)b \times d)(1)d]$, in pounds;
 - f. the total VOC emission rate for all coatings [summation of $d)(1)e]$, in pounds or tons; and
 - g. the annual, year-to-date VOC emissions from all coatings employed (summation of $d)(1)f$ for each calendar month, to date, from January to December).
- (2) The permittee shall collect and record the following information each month for all clean-up materials employed in this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the VOC content, in pounds per gallon, of each cleanup material employed; and
 - d. the VOC emission rate for each cleanup material $[d)(1)b \times d)(1)c]$, in pounds;

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.



- e. the total VOC emission rate for all cleanup materials [summation of d)(1)d], in pounds or tons; and
 - f. the annual, year to date VOC emissions from all cleanup materials employed [summation of d)(1)f for each calendar month to date from January to December].
- (3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (4) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
- (5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
- (6) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
- a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.
- These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (7) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.
- (8) 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 a permittee to apply for and



obtain a new or modified permit-to-install and operate 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 permit-to-install and operate.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any monthly record showing the use of noncomplying coatings. A copy of such record shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within thirty days following the end of the calendar month.

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. Emission Limitation: (for coating operations)
1.4lbsVOC /hour

Applicable Compliance Method:

The hourly allowable VOC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (1.0 gallons per hour) by the maximum allowable VOC content of the coating (1.4 pounds per gallon).

If required, the permittee shall demonstrate compliance in accordance with 40 CFR 60 Appendix A, Methods 1 through 4, and 18, 25, and/or 25A, as applicable.

- b. Emission Limitation: (for coating operations)
6.13 tons VOC /year

Applicable Compliance Method:

Compliance shall be based on the record keeping requirements as specified in d)(1).

- c. Emission Limitation:
3.5lbs VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in d)(1)c.



- d. Emission Limitation: (for cleanup operations)
173 lbsVOC /month; 1.04 tons VOC /year

Applicable Compliance Method:

Compliance shall be based on the record keeping requirements as specified in d)(2).

- (2) Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

- g) Miscellaneous Requirements

- (1) None.



9. N002, Heat Cleaning Oven (Steelman 8910) (Plt. 4)

Operations, Property and/or Equipment Description:

500 lb/hr Natural Gas-Fired Burn-Off Oven with Afterburner

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. None.

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) | 0.17 lb PE /hr; 0.74 ton PE /year visible emissions restrictions [see b)(2)a] control requirements [see b)(2)b] See b)(2)c |
| b. | OAC rule 3745-17-09(B) | 0.20 lb PE/100 lbs of material charged |
| c. | OAC rule 3745-17-07(A) | See b)(2)d |

(2) **Additional Terms and Conditions**

a. Visible particulate emissions from this emissions unit shall not exceed 5% opacity, except for 6 minutes in any continuous 60-minute period, during which opacity shall not exceed 10%.



- b. Best Available Technology (BAT) control requirements for this emissions unit has been determined to be the use of natural gas and afterburner. BAT requirements also include compliance with the terms and conditions of this permit.
 - c. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09(B).
 - d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c) Operational Restrictions
- (1) The emissions unit shall be installed, operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying with the manufacturer that the change(s) would not adversely affect air contaminant emissions from the unit.
 - (2) The air contaminant control device for this emissions unit shall be designed and operated in accordance with the following requirements:
 - a. The secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1500 degrees Fahrenheit, taking into account normal start-up procedures.
 - b. The secondary chamber shall allow for a minimum retention time of 0.5 seconds at 1500 degrees Fahrenheit, taking into account normal start-up procedures.
 - (3) The permittee shall adhere to the manufacturer's recommendations pertaining to the operation of this furnace and shall comply with the following operational restrictions:
 - a. The permittee shall ensure that the furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;
 - b. The permittee shall remove ash residue left inside the furnace in accordance with good housekeeping practices associated with operation of the burn-off oven;
 - c. The permittee shall not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and
 - d. The permittee shall not process organic coatings or plastics which contain halogens (such as chlorine, fluorine, sulfur, or bromine), plastics, polymers, or other organic materials which emit significant amounts of volatile, flammable vapors at room temperature or at temperatures up to about 500 degrees Fahrenheit, parts which may contain large amounts of volatile solvents, and nonconventional hydrocarbon coatings (polymer coatings, and oil/grease coatings). Wet paint, paint sludge, waste powder from powder coating operations, paint filters, nitrocellulose paints, solvents, thinners, waste plastic or polymer, PVC (polyvinyl chloride), lead, rubber-coated material, wood, paper,



trash, waste oil, waste grease, oil filters ammunition, explosives, fertilizer, or any hazardous waste materials defined in 40 CFR, Part 261, Subpart D are also prohibited from being burned in this furnace. In addition, coatings that contain chlorine (PVC), fluorine (Teflon), sulfur, bromine, or elements other than carbon, hydrogen, and oxygen shall not be burned in this furnace, as they may form dangerous, toxic, and corrosive acids.

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

- (1) The permittee shall install, operate, and properly maintain a temperature gauge which monitors the temperature of the secondary combustion chamber. The permittee shall record the secondary combustion chamber temperature prior to each batch operation.
- (2) The permittee shall maintain an operation/maintenance log for the emissions unit. The log, at a minimum, shall contain the following information:
 - a. The dates the emissions unit was operated
 - b. The number of batches processed for each date the emissions unit was operated; and
 - c. The dates and descriptions of any additional maintenance activities performed on this emissions unit.

e) **Reporting Requirements**

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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. Emission Limitations:
0.17 lb PE /hr; 0.74 ton PE /year

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum throughput rate of 0.25 ton per hour by an emission factor of 0.14 lb PE /ton (based on manufacturer emissions testing).

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

The annual allowable PE limitation was developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, if compliance is shown



with the hourly limitation, compliance with the annual limitations shall also be demonstrated.

- b. Emission Limitation:
0.20 lb PE/100 lbs of material charged

Applicable Compliance Method:

Compliance shall be determined by comparison with the emission factor of 0.14 lb PE /ton (0.007 lb PE / 100 lb, based on manufacturer emissions testing).

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

- c. Emission Limitation:
5% opacity, except for 6 minutes in a 60-minute period not exceeding 10%.

Applicable Compliance Method:

If required, compliance with the visible PE limitation shall be determined in accordance with 40 CFR 60, Appendix A, Method 9.

- g) Miscellaneous Requirements

- (1) None.



10. P002, Shot Blast 2484 (Double Door) (Plt. 4)

Operations, Property and/or Equipment Description:

Shot Blast 2484 (Double Door) (Plt. 4)

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. None.

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) | 1.02 lb particulate emissions (PE) /hr; 4.5 tons PE /year See b)(2)a and b)(2)b. |
| b. | OAC rule 3745-17-11(B) | See b)(2)c. |
| c. | OAC rule 3745-17-07(A) | Visible PE shall not exceed 20 percent opacity, as a six minute average, except as provided by rule. |

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) requirements for this emissions unit have been determined to be installation and operation of a baghouse for particulate control.

b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).



- c. 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. All particulate matter emitted is assumed to be less than 10 microns (PM_{10}).
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack 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.
- If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d)(1)d above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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. Emission Limitations:
1.02 lb PE /hr, 4.5 ton PE /year

Applicable Compliance Method:

Compliance may be determined by multiplying the maximum process weight rate (0.8 tons metal/hr) by an emission factor of 17 lb PE /ton iron (AP-42 Table 12.10-7, January 1995) and a control factor of (1 - 0.99), i.e. 99 percent control for use of a baghouse.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR 60, Appendix A, Methods 1 - 5.

The annual allowable PE limitation was developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitations shall also be demonstrated.

- b. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:

If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

- g) Miscellaneous Requirements

- (1) None.



11. P009, Chromium Electroplating Line

Operations, Property and/or Equipment Description:

Chromium Electroplating - Plant 5 (small parts) - with composite mesh pad emissions control

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. None.

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. | 40 CFR 63.340 et seq. (MACT Subpart N) | 6.6 x 10 ⁻⁶ grCr /dscf See b)(2)a and b)(2)b. |
| b. | 40 CFR 63.1 – 15 | Table 1 of Subpart N of 40 CFR Part 63 – Applicability of General Provisions to Subpart N shows which parts of the General Provisions in 40 CFR 63.1-15 apply. |
| c. | OAC rule 3745-17-11(B) | None. [See b)(2)c.] |
| d. | OAC rule 3745-17-07(A) | None. [See b)(2)d.] |

(2) **Additional Terms and Conditions**

a. During tank operation, the permittee shall control chromium emissions discharged to the atmosphere by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.015 milligrams of total chromium per dry standard cubic meter (mg/dscm) of



ventilation air (6.6×10^{-6} grains per dry standard cubic foot (gr/dscf)) for all open surface hard chromium electroplating tanks.
 [40 CFR 63.342(c)(1)(i)]

- b. This emissions unit and its associated air pollution control system(s) shall be maintained regularly in accordance with the Operation and Maintenance Plan required under 40 CFR 63.342(f)(3) in order to minimize air contaminant emissions.
- c. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lb / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Paulding County.
- d. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

c) Operational Restrictions

- (1) The permittee shall comply with the applicable operational restrictions required under 40 CFR 63 Subpart N, including the following sections:

| | |
|-----------------|---|
| 63.342(f) | operation and maintenance practices |
| 63.342(g) | control device maintenance (Table I, for composite mesh pad system as applicable) |
| 63.343(c)(1)(i) | pressure drop(s) for composite mesh pad system |

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 63 Subpart N, including the following sections:

| | |
|-------------------|--|
| 63.343(c)(1)(ii) | control system pressure drop parametric monitoring |
| 63.343(c)(1)(iii) | provision to modify parametric monitoring |
| 63.346(b) | record keeping, in accordance with (b)(1) through (b)(11), and (b)(16) |
| 63.346(c) | records retention of 5 years |



e) Reporting Requirements

- (1) The permittee shall comply with the applicable reporting requirements required under 40 CFR 63 Subpart N, including the following sections:

| | |
|--------------|---|
| 63.347(h)(1) | annual compliance status report |
| 63.347(h)(2) | semiannual exceedance reports as applicable |
| 63.347(h)(3) | provision to reduce reporting frequency |

- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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:

Emission Limitation:
 6.6×10^{-6} grCr /dscf

Applicable Compliance Method:

The permittee has demonstrated compliance with emissions testing on November 10, 2011. Continuous compliance shall be demonstrated in accordance with the requirements of 40 CFR 63.343(c)(1)

If required, the permittee shall again demonstrate compliance with the emission limitation in accordance with 40 CFR 63, Appendix A, Method 306 /306A.

g) Miscellaneous Requirements

- (1) The permittee shall comply with all applicable requirements of the MACT General Provisions - Table 1 to Subpart N.



12. P010, Plant 5 Beam Line Shot Blaster

Operations, Property and/or Equipment Description:

Shot blast machine no. 4 -Plant 5 Beam Line Shot Blaster

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. None.

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) | 0.60 lb particulate emissions (PE) /hr; 2.63 tons PE /year 0.01 gr PE /dscf Visible particulate emissions (PE) shall not exceed 5 percent opacity, as a six minute average. See b)(2)a. |
| b. | OAC rule 3745-17-11(B) | See b)(2)b. |
| c. | OAC rule 3745-17-07(A) | See b)(2)b. |

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) requirements for this emissions unit have been determined to be compliance with the requirement for installation of a baghouse designed to achieve a maximum outlet concentration of 0.02 gr /dscf of PE.



- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
 - c. All particulate matter emitted is assumed to be less than 10 microns (PM_{10}).
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack(s) 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 location and color of the emissions;
 - b. the total duration of any visible emission incident; and
 - c. any corrective actions taken to minimize or eliminate the visible emissions.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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. Emission Limitations:
0.01 gr PE /dscf
0.60 lb PE /hr; 2.63 ton PE /year
- Applicable Compliance Method:
The 0.01 gr PE/dscf limitation is the established maximum outlet concentration for the baghouse. Compliance with the lb/hr limitation may be determined by multiplying the maximum baghouse outlet concentration of 0.01 gr/dscf by the baghouse's maximum volumetric air flow rate (7000 acfm - the portion of total air flow associated with this emissions unit), then multiplying by lb/7000 grains and 60 minutes/hour.
- If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR 60, Appendix A, Methods 1 - 5.



The annual allowable PE limitation was developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, if compliance is shown with the hourly limitation, compliance with the annual limitation shall also be demonstrated.

b. Emission Limitation:

Visible particulate matter shall not exceed 5% opacity, as a 6-minute average.

Applicable Compliance Method:

If required, compliance with the visible emission limitation shall be determined in accordance with US EPA Method 9 of 40 CFR 60, Appendix A.

g) Miscellaneous Requirements

(1) None.



13. P011, Shot Blast 200207 (Powder Line) (Plt. 4)

Operations, Property and/or Equipment Description:

Shot Blast Machine - Shot Blast 200207 (Powder Line) (Plt. 4)

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. None.

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) | 1.56 lb particulate emissions (PE) /hr; 6.83 tons PE /year 0.02 gr PE /dscf Visible particulate emissions (PE) shall not exceed 0 percent opacity, as a six minute average. See b)(2)a. |
| b. | OAC rule 3745-17-11(B) | See b)(2)b. |
| c. | OAC rule 3745-17-07(A) | See b)(2)b. |

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) requirements for this emissions unit have been determined to be compliance with the requirement for installation of a baghouse designed to achieve a maximum outlet concentration of 0.02 gr /dscf of PE.



- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
 - c. All particulate matter emitted is assumed to be less than 10 microns (PM_{10}).
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack(s) 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 location and color of the emissions;
 - b. the total duration of any visible emission incident; and
 - c. any corrective actions taken to minimize or eliminate the visible emissions.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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. Emission Limitations:
0.02 gr PE /dscf
1.56 lb PE /hr; 6.83 ton PE /year
- Applicable Compliance Method:
The 0.02 gr PE/dscf limitation is the established maximum outlet concentration for the baghouse. Compliance with the lb/hr limitation may be determined by multiplying the maximum baghouse outlet concentration of 0.02 gr/dscf by the baghouse's maximum volumetric air flow rate (9120 acfm - the portion of total air flow associated with this emissions unit), then multiplying by lb/7000 grains and 60 minutes/hour.
- If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR 60, Appendix A, Methods 1 - 5.



The annual allowable PE limitation was developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, if compliance is shown with the hourly limitation, compliance is shown with the annual limitation.

b. Emission Limitation:

Visible particulate matter shall not exceed 0% opacity, as a 6-minute average.

Applicable Compliance Method:

If required, compliance with the visible emission limitation shall be determined in accordance with US EPA Method 9 of 40 CFR 60, Appendix A.

g) Miscellaneous Requirements

(1) None.



14. P013, Abrasive Blasting Unit

Operations, Property and/or Equipment Description:

Abrasive Blasting Unit

- 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. None.
- 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(F) | 0.048 lb PM ₁₀ /hr; 0.21 tons PM ₁₀ /year Visible particulate emissions (PE) shall not exceed 5 percent opacity, as a six minute average. See b)(2)a and c)(1). |
| b. | OAC rule 3745-31-05(A)(3), as effective 11/30/01 | See b)(2)b and b)(2)c. |
| c. | OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06 | See b)(2)d. |
| d. | OAC rule 3745-17-11(B) | See b)(2)e. |
| e. | OAC rule 3745-17-07(A) | See b)(2)f. |

- (2) Additional Terms and Conditions
 - a. This permit establishes the following legally and practically enforceable emission limitations. The legally and practically enforceable emission limitations are



voluntary restrictions established under OAC rule 3745-31-05(F) and are based on the operational restrictions contained in c)(1) which requires the use of a baghouse with 99.8% control efficiency:

- i. 0.048lb PM₁₀ /hr, and 0.21 tons PM₁₀ /year; and
- ii. Visible PE shall not exceed 5% opacity, as a six-minute average.
- b. Best Available Technology (BAT) requirements for this emissions unit have been determined to be compliance with the requirement for installation of a baghouse designed to achieve a 99 percent control efficiency for particulate matter.
- c. 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 regulations for NAAQS pollutants 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 revisions 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.

It should be noted that the requirements established pursuant to OAC rule 3745-31-05(F) will remain applicable after the above SIP revisions are approved by U.S. EPA.

- d. 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.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05 (A)(3)(a) do not apply to the emissions of PM₁₀ since the potential to emit, taking into account the voluntary restriction on the use of a baghouse, is less than 10 tons per year.

- e. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(F).

c) Operational Restrictions

- (1) The following operational restrictions have been included in this permit for the purpose of establishing the following legally and practically enforceable requirements: [See b)(2)a.]

- a. This emissions unit shall be controlled by a baghouse designed to achieve a 99.8 percent control efficiency for particulate matter.

d) Monitoring and/or Recordkeeping Requirements



- (1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack(s) 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 location and color of the emissions;
 - b. the total duration of any visible emission incident; and
 - c. any corrective actions taken to minimize or eliminate the visible emissions.
- e) Reporting Requirements
 - (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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. Emission Limitations:
0.048 lb PM₁₀ /hr, 0.21 ton PM₁₀ /year

Applicable Compliance Method:
Compliance may be determined by multiplying the (uncontrolled) emission factor of 24.1 lb PE /hr (company calculation, from permit application) by a control factor of (1 - 0.998), i.e. 99.8 percent control for use of a baghouse.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with: Methods 1 - 4 of 40 CFR Part 60, Appendix A; and Methods 201 and/or 201A, and 202, of 40 CFR Part 51, Appendix M.

The annual allowable PE limitation was developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, if compliance is shown with the hourly limitation, compliance is shown with the annual limitation.
 - b. Emission Limitation:
Visible particulate matter shall not exceed 5% opacity, as a 6-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in accordance with US EPA Method 9 of 40 CFR 60, Appendix A.
- g) Miscellaneous Requirements
 - (1) None.