



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 01-06362

Fac ID: 0125041529

DATE: 12/28/2006

Evans Columbus LLC
Ronald Evans
1410 Blatt Boulevard
Blacklick, OH 43004

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

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

You are hereby notified that this action of the Director is final 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 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
309 South Fourth Street, Room 222
Columbus, OH 43215

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

CDO



**Permit To Install
Terms and Conditions**

**Issue Date: 12/28/2006
Effective Date: 12/28/2006**

FINAL PERMIT TO INSTALL 01-06362

Application Number: 01-06362
Facility ID: 0125041529
Permit Fee: **\$600**
Name of Facility: Evans Columbus LLC
Person to Contact: Ronald Evans
Address: 1410 Blatt Boulevard
Blacklick, OH 43004

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1410 Blatt Boulevard
Blacklick, Ohio**

Description of proposed emissions unit(s):
3 drum coating operations (modification).

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

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

1. Monitoring and Related Recordkeeping and Reporting Requirements

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

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the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - iv. If this permit is for an emissions unit located at a Title V facility, then each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

2. Scheduled Maintenance/Malfunction Reporting

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

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

3. Risk Management Plans

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

4. Title IV Provisions

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

5. Severability Clause

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

6. General Requirements

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

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7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

- iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit-To-Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

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

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12. Air Pollution Nuisance

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

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13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

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

1. Compliance Requirements

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

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

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

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder.

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The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

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4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

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

6. Public Disclosure

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

7. Applicability

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

8. Construction Compliance Certification

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If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the permit-to-install application and the terms and conditions of the permit-to-install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

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

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

C. Permit-To-Install Summary of Allowable Emissions

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

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC	88.25
PE	7.57
NOx	4.53
SO2	0.03
CO	3.81
Individual HAP	< 9.9
Total HAP	< 24.9

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Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

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

None

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

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (K001) - Drum Interior Coating Line (Two drum interior coating spray booths).

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3) (Modification)	<p> Volatile organic compound (VOC) emissions from the application of interior coatings in this emissions unit shall not exceed 28.90 pounds per hour. </p> <p> VOC emissions from the application of interior coatings in this emissions unit shall not exceed 46.22 tons per year. </p> <p> VOC emissions from the application of cleanup materials in this emissions unit shall not exceed 6.76 tons per year. </p> <p> Particulate emissions from this emissions unit shall not exceed 2.41 tons per year. </p> <p> The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1), 3745-17-11(B)(1), 3745-35-07(B), and 3745-21-09(U)(1)(e). </p> <p> Emissions from natural gas usage in the associated oven shared by K001 and K003 combined shall not exceed: </p> <p> 0.72 lb NOx/hr; 3.15 tons NOx/yr; 0.004 lb SO2/hr; 0.02 ton SO2/yr; 0.605 lb CO/hr; 2.65 tons CO/yr; 0.055 lb PE/hr; 0.24 ton PE/yr; 0.040 lb VOC/hr; and 0.17 ton VOC/yr </p>

Emissions Unit ID: K001

OAC rule 3745-17-11(B)(1)	Particulate emissions shall not exceed 0.551 pound per hour, based on Table I.
OAC rule 3745-17-07 (A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
OAC rule 3475-21-09 (U)(1)(e)	4.3 pounds VOC / gallon of interior coating, excluding water and exempt solvents.
OAC rule 3745-35-07(B) (Synthetic minor to avoid Title V)	VOC emissions from all coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 88.0 tons per rolling, 12-month period.
OAC rule 3745-31-05 (C) (Synthetic Minor to avoid MACT)	Individual HAP emissions from all coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 9.9 tons per rolling, 12-month period. Combined HAP emissions from all coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 24.9 tons per rolling, 12-month period. See A.II.2 and A.II.3 below.

2. Additional Terms and Conditions

- 2.a** The hourly VOC emission limitation for this emissions unit was established to reflect the potential to emit. Therefore, it is not necessary to develop recording keeping and/or reporting requirements to ensure compliance with this limit.
- 2.b** The hourly particulate emission limitation for this emissions unit is greater than the potential to emit as vented to dry filtration. Therefore it is not necessary to develop recording keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

- The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
- The maximum annual coating usage for emissions units K001 and K003 combined shall not exceed 21,500 gallons for interior coatings with a maximum VOC content of 4.3 pounds per gallon based upon a rolling, 12-month summation of coating usage figures.

The maximum annual coating usage for emissions unit K002 shall not exceed 20,000 gallons for coatings with a maximum VOC content of 3.5 pounds per gallon, based

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upon a rolling, 12-month summation of coating usage figures.

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

3. The maximum annual cleanup material usage for emissions units K001, K002, and K003 combined shall not exceed 1,800 gallons, based upon a rolling, 12-month summation of cleanup/solvent material usage figures.

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month for emissions units K001, K002, K003, and P003:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content of each coating, as applied;
 - c. the individual HAP¹ content for each HAP of each coating in pounds of individual HAP per gallon of coating, as applied;
 - d. the total combined HAP content for each HAP of each coating in pounds of combined HAPs per gallon of coating, as applied (sum of all individual HAP contents from c);
 - e. the number of gallons of each coating employed;
 - f. the name and identification of each cleanup/solvent material employed;
 - g. the VOC content of each cleanup/solvent material employed
 - h. the individual HAP content for each HAP of each cleanup/solvent material in pounds of individual HAP per gallon cleanup/solvent material, as applied;
 - i. the total combined HAP content of each cleanup/solvent material in pounds of combined HAPs per gallon of cleanup/solvent material, as applied (sum of all individual HAP contents from h);
 - j. the number of gallons of each cleanup/solvent material employed;
 - k.
 - i the total VOC emissions from all coating, in pounds or tons per rolling, 12-month period (the sum of b times e for each coating);
 - ii the total VOC emissions from all cleanup/solvent materials, in pounds or tons per rolling, 12-month period (the sum of g times j for each cleanup/solvent material);

Emissions Unit ID: K001

- l. the total individual HAP emissions for each HAP from all coating and cleanup/solvent material in pounds or tons per rolling, 12-month period (for each HAP the sum of c times e for each coating and the sum of h times j for each cleanup/solvent material); and
- m. the total combined HAP emissions from all coating and cleanup/solvent materials employed, in pounds or tons per month and pounds or tons per rolling, 12-month period (the sum of d times e for each coating plus the sum of i times j for each cleanup/solvent material).

¹A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets typically include a listing of the solvents contained in the interior coatings or clean materials. This information does not have to be kept on a line-by-line basis.

2. The permittee shall collect and record the following information each day for emissions unit K001:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and
 - c. the daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.

IV. Reporting Requirements

1. The permittee shall notify the Ohio EPA, Central District Office in writing of any monthly record showing the use of noncomplying coatings (i.e. for VOC content). The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 30 days following the end of the calendar month.
2. The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing that the filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 30 days after the event has occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month coating usage limitation;
 - b. the rolling, 12-month cleanup/solvent usage limitation;

Emissions Unit ID: K001

- c. the rolling, 12-month VOC emission limitation;
- d. the rolling, 12-month total individual HAP emission limitation; and
- e. the rolling, 12-month total combined HAP emissions limitation;

These reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

- 4. The permittee shall submit annual reports by April 15th each year that specify the VOC, individual and combined HAP emissions from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

V. Testing Requirements

- 1. Compliance with the emission limitations in Section A.I.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:

- 1.a Emission Limitation: 4.3 pounds VOC/gallon of all interior coating (excluding water and exempt solvents).

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.2 of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular interior coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that interior coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

- 1.b Emission Limitation: VOC emissions from the application of interior coatings of this emissions unit shall not exceed 28.90 pounds per hour.

Applicable Compliance Method: Compliance may be based upon multiplying the maximum hourly coating usage (6.72 gal/hr) by the maximum VOC content of the coating (4.3 lbs/gal).

- 1.c Emission Limitations: VOC emissions from the application of interior coatings shall not exceed 46.22 tons per year.

VOC emissions from the application of cleanup/solvent materials shall not exceed 6.76 tons per year.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1.k of this permit.

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- 1.d Emission Limitation:
Particulate emissions shall not exceed 0.551 pound per hour.
- Applicable Compliance Method:
To determine the actual worst case particulate emissions rate (E), the following equation shall be used for the paint spraying operations:
- $$E = \text{particulate emissions rate (lbs/hr)}$$
- $$= \text{maximum coating solids usage rate in pounds per hour of } 39.6 \text{ lbs/hr} \times (1-TE) \times (1-CE)$$
- TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used (70% according to the permit application).
- CE = control efficiency of the control equipment (assumed to be 98%)
If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to OAC rule 3745-17-03(B)(10).
- 1.e Emission Limitation: Particulate emissions from this emission unit shall not exceed 2.41 tons per year.
- Compliance with the annual limitation may be determined by multiplying the maximum hourly particulate rate determined from 1.d above, by 8760 hrs/yr then divided by 2000lbs/ton. Therefore, compliance with the annual limit shall be assumed provided compliance is maintained with the lb/hr limit.
- 1.f Emission Limitation: Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- Applicable Compliance Method: If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.
- 1.g Emission Limitation: VOC emissions from the application of interior coatings and cleanup / solvent from emissions units K001, K002, K003, and P003 combined shall not exceed 88.0 tons per rolling 12-month

Emissions Unit ID: K001

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1.k of this permit.

1.h Emission Limitation:

Individual HAP emissions from all interior coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 9.9 tons per rolling, 12-month period.

Combined HAP emissions from all interior coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 shall not exceed 24.9 tons per rolling, 12-month period.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1.l and A.III.1.m of this permit.

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- 1.i Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.72 lb NO_x/hr

Applicable Compliance Method: Compliance with the allowable mass emission rate for NO_x emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 100 lb of NO_x/mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 7E.

- 1.j Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.605 lb CO/hr

Applicable Compliance Method: Compliance with the allowable mass emission rate for CO emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 84 lb of CO /mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98).If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 10.

- 1.k Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.004 lb SO₂/hr

Applicable Compliance Method: Applicable Compliance Method: Compliance with the allowable mass emission rate for SO₂ emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 0.6 lb of SO₂/mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with this emission limitation through emission tests

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performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 6C.

- 1.l Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.040 lb VOC/hr

Applicable Compliance Method: Applicable Compliance Method: Compliance with the allowable mass emission rate for VOC emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 5.5 lb of VOC/mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 18, 25 or 25A.

- 1.m Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.055 lb PE/hr

Applicable Compliance Method: Applicable Compliance Method: Compliance with the allowable mass emission rate for PM emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 1.9 lb of PE /mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with the emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

- 1.n Emission Limitations: Emissions from natural gas usage in the associated oven shall not exceed 0.24 ton of PE/yr; Emissions from natural gas usage in the associated oven shall not exceed 0.02 ton of SO₂/yr; Emissions from natural gas usage in the associated oven shall not exceed 0.17 ton of VOC/yr; Emissions from natural gas usage in the associated oven shall not exceed 3.15 tons of NO_x/yr; Emissions from natural gas usage in the associated oven shall not exceed 2.65 tons of CO/yr.

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Emissions Unit ID: K001

Applicable Compliance Method: Compliance with the annual limitations shall be assumed as long as compliance with the hourly limitations is maintained (each annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (K001) - Drum Interior Coating Line (Two drum interior coating spray booths).

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Ohio Air Toxic Policy	See B.III below.

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit K001 was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Toluene
TLV (mg/m3): 188

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Maximum Hourly Emission Rate (lbs/hr): 3.50
Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):
393.49
Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 4476

Pollutant: Methyl Isobutyl Ketone
TLV (mg/m3): 205
Maximum Hourly Emission Rate (lbs/hr): 8.30
Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):
931.25
Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 4,880.95

Pollutant: Phenol
TLV (mg/m3): 19
Maximum Hourly Emission Rate (lbs/hr): 3.62
Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):
406.60
Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 452.38

Pollutant: Methyl Ethyl Ketone
TLV (mg/m3): 590
Maximum Hourly Emission Rate (lbs/hr): 21.84
Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):
2,516.05
Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 14,047.62

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:
 - a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and

Emissions Unit ID: K001

BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");

- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
 - c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).
3. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of the evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (K002) - Exterior drum coating line (spray paint booth and one 3.15 mmBtu/hr baking oven).

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
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<p>OAC rule 3745-31-05(A)(3) (Modification)</p>	<p>Volatile organic compound (VOC) emissions from the application of coatings in this emissions unit shall not exceed 48.30 pounds per hour.</p> <p>VOC emissions from the application of coatings materials in this emissions unit shall not exceed 34.99 tons per year.</p> <p>VOC emissions from the application of cleanup materials in this emissions unit shall not exceed 6.76 tons per year.</p> <p>Particulate emissions from this emissions unit shall not exceed 2.41 tons of particulate emissions per year.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1), 3745-17-11(B)(1), 3745-35-07(B), and 3745-21-09(U)(1)(e).</p> <p>Emissions from natural gas usage in the associated oven shall not exceed:</p> <p>0.32 lb NOx/hr; 1.38 tons NOx/yr; 0.002 lb SO₂/hr; 0.01 ton SO₂/yr; 0.27 lb CO/hr; 1.16 tons CO/yr; 0.03 lb PE/hr; 0.10 ton PE/yr; 0.02 lb VOC/hr; and 0.08 ton VOC/yr</p>
<p>OAC rule 3745-17-11(B)(1)</p>	<p>Particulate emissions shall not exceed 0.551 pound per hour, based on Table I.</p>
<p>OAC rule 3745-17-07 (A)(1) 38</p>	<p>Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.</p>
<p>OAC rule 3475-21-09 (U)(1)(f)</p>	<p>3.5 pounds VOC / gallon of exterior coating, excluding water and exempt solvents.</p>

Emissions Unit ID: K002

OAC rule 3745-35-07(B) (Synthetic minor to avoid Title V)	VOC emissions from all coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 88.0 tons per rolling, 12-month period.
OAC rule 3745-31-05 (C) (Synthetic Minor to avoid MACT)	Individual HAP emissions from all coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 9.9 tons per rolling, 12-month period. Combined HAP emissions from all coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 24.9 tons per rolling, 12-month period.
	See A.II.2. and A.II.3 below.

2. Additional Terms and Conditions

- 2.a** The hourly VOC emission limitation for this emissions unit was established to reflect the potential to emit. Therefore, it is not necessary to develop recording keeping and/or reporting requirements to ensure compliance with this limit.
- 2.b** The hourly particulate emission limitation for this emissions unit is greater than the potential to emit as vented to dry filtration. Therefore it is not necessary to develop recording keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

- The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
- The maximum annual coating usage for emissions units K001 and K003 combined shall not exceed 21,500 gallons for interior coatings with a maximum VOC content of 4.3 pounds per gallon based upon a rolling, 12-month summation of coating usage figures.

The maximum annual coating usage for emissions unit K002 shall not exceed 20,000 gallons for coatings with a maximum VOC content of 3.5 pounds per gallon, based upon a rolling, 12-month summation of coating usage figures.

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

- The maximum annual cleanup material usage for emissions units K001, K002, and

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K003 combined shall not exceed 1,800 gallons, based upon a rolling, 12-month summation of cleanup/solvent material usage figures.

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month for emissions units K001, K002, K003, and P003:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content of each coating, as applied;
 - c. the individual HAP¹ content for each HAP of each coating in pounds of individual HAP per gallon of coating, as applied;
 - d. the total combined HAP content for each HAP of each coating in pounds of combined HAPs per gallon of coating, as applied (sum of all individual HAP contents from c);
 - e. the number of gallons of each coating employed;
 - f. the name and identification of each cleanup/solvent material employed;
 - g. the VOC content of each cleanup/solvent material employed
 - h. the individual HAP content for each HAP of each cleanup/solvent material in pounds of individual HAP per gallon cleanup/solvent material, as applied;
 - i. the total combined HAP content of each cleanup/solvent material in pounds of combined HAPs per gallon of cleanup/solvent material, as applied (sum of all individual HAP contents from h);
 - j. the number of gallons of each cleanup/solvent material employed;
 - k.
 - i the total VOC emissions from all coating, in pounds or tons per rolling, 12-month period (the sum of b times e for each coating);
 - ii the total VOC emissions from all cleanup/solvent materials, in pounds or tons per rolling, 12-month period (the sum of g times j for each cleanup/solvent material);
 - l. the total individual HAP emissions for each HAP from all coating and cleanup/solvent material in pounds or tons per rolling, 12-month period (for each HAP the sum of c times e for each coating and the sum of h times j for each cleanup/solvent material); and
 - m. the total combined HAP emissions from all coating and cleanup/solvent materials employed, in pounds or tons per month and pounds or tons per rolling, 12-month period (the sum of d times e for each coating plus the sum of i times j

Emissions Unit ID: K002

for each cleanup/solvent material).

¹A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets typically include a listing of the solvents contained in the interior coatings or clean materials. This information does not have to be kept on a line-by-line basis.

2. The permittee shall collect and record the following information each day for emissions unit K002:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and
 - c. the daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.

IV. Reporting Requirements

1. The permittee shall notify the Ohio EPA, Central District Office in writing of any monthly record showing the use of noncomplying coatings (i.e. for VOC content). The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 30 days following the end of the calender month.
2. The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing that the filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 30 days after the event has occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month coating usage limitation;
 - b. the rolling, 12-month cleanup/solvent usage limitation;
 - c. the rolling, 12-month VOC emission limitation;
 - d. the rolling, 12-month total individual HAP emission limitation; and
 - e. the rolling, 12-month total combined HAP emissions limitation;

These reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

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4. The permittee shall submit annual reports by April 15th each year that specify the VOC, individual and combined HAP emissions from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:

- 1.a Emission Limitation: 3.5 pounds VOC/gallon of exterior coating (excluding water and exempt solvents).

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.2 of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

- 1.b Emission Limitation: VOC emissions from the application of coatings of this emissions unit shall not exceed 48.3 pounds per hour.

Applicable Compliance Method: Compliance may be based upon multiplying the maximum hourly coating usage (13.8 gal/hr) by the maximum VOC content of the coating (3.5 lbs/gal).

- 1.c Emission Limitations: VOC emissions from the application of coatings shall not exceed 34.99 tons per year.

VOC emissions from the application of cleanup/solvent materials shall not exceed 6.76 tons per year.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1.k of this permit.

- 1.d Emission Limitation:
Particulate emissions shall not exceed 0.551 pound per hour.

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Facility ID: 0125041529

Emissions Unit ID: K002

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Applicable Compliance Method:

To determine the actual worst case particulate emissions rate (E), the following equation shall be used for the paint spraying operations:

$E = \text{particulate emissions rate (lbs/hr)}$

$= \text{maximum coating solids usage rate in pounds per hour of } 70.51 \text{ lbs/hr} \times (1-TE) \times (1-CE)$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of exterior coating solids used (70% according to the permit application).

CE = control efficiency of the control equipment (assumed to be 98%)
If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to OAC rule 3745-17-03(B)(10).

- 1.e Emission Limitation: Particulate emissions from this unit shall not exceed 2.41 tons of particulate emissions per year.

Applicable Compliance Method:

Compliance with the annual limitation may be determined by multiplying the maximum hourly particulate rate determined from 1.d above, by 8760 hrs/yr then divided by 2000lbs/ton. Therefore, compliance with the annual limit shall be assumed provided compliance is maintained with the lb/hr limit.

- 1.f Emission Limitation: Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method: If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

- 1.g Emission Limitation: VOC emissions from the application of interior coatings and cleanup / solvent from emissions units K001, K002, K003, and P003 combined shall not exceed 88.0 tons per rolling 12-month

Applicable Compliance Method: Compliance shall be based upon the record

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keeping requirements specified in section A.III.1.k of this permit.

1.h Emission Limitation:

Individual HAP emissions from all interior coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 9.9 tons per rolling, 12-month period.

Combined HAP emissions from all interior coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 24.9 tons per rolling, 12-month period.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1.l and A.III.1.m of this permit.

1.i Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.32 lb NO_x/hr

Applicable Compliance Method: Compliance with the allowable mass emission rate for NO_x emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 100 lb of NO_x/mmscf by the associated oven 's maximum hourly fuel usage of 0.00315 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 7E.

1.j Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.27 lb CO/hr

Applicable Compliance Method: Compliance with the allowable mass emission rate for CO emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 84 lb of CO /mmscf by the associated oven 's maximum hourly fuel usage of 0.00315 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98).If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4

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and 10.

- 1.k Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.002 lb SO₂/hr

Applicable Compliance Method: Applicable Compliance Method: Compliance with the allowable mass emission rate for SO₂ emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 0.6 lb of SO₂/mmscf by the associated oven 's maximum hourly fuel usage of 0.00315 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission

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Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 6C.

- 1.l Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.020 lb VOC/hr

Applicable Compliance Method: Applicable Compliance Method: Compliance with the allowable mass emission rate for VOC emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 5.5 lb of VOC/mmscf by the associated oven 's maximum hourly fuel usage of 0.00315 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 18, 25 or 25A.

- 1.m Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.03 lb PE/hr

Applicable Compliance Method: Applicable Compliance Method: Compliance with the allowable mass emission rate for PM emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 1.9 lb of PM /mmscf by the associated oven 's maximum hourly fuel usage of 0.00315 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with the emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

- 1.n Emission Limitations: Emissions from natural gas usage in the associated oven shall not exceed 0.10 ton of PE/yr; Emissions from natural gas usage in the associated oven shall not exceed 0.01 ton of SO₂/yr; Emissions from natural gas usage in the associated oven shall not exceed 0.08 ton of VOC/yr; Emissions from natural gas usage in the associated oven shall not exceed 1.38 tons of NO_x/yr; Emissions from natural gas usage in the associated oven shall not exceed 1.16 tons of CO/yr.

Applicable Compliance Method: Compliance with the annual limitations shall be assumed as long as compliance with the hourly limitations is maintained (each annual limitation was calculated by multiplying the hourly limitation by 8760, and

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then dividing by 2000).

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B. State Only Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (K002) - Exterior drum coating line (spray paint booth and one 3.15 mmBtu/hr baking oven).

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Ohio Air Toxic Policy	See B.III below

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit K001 was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Toluene
TLV (mg/m3): 188

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Emissions Unit ID: K002

Maximum Hourly Emission Rate (lbs/hr): 3.50

Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):
393.49

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 4476

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Pollutant: Methyl Isobutyl Ketone

TLV (mg/m³): 205

Maximum Hourly Emission Rate (lbs/hr): 8.30

Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m³):
931.25

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m³): 4,880.95

Pollutant: Phenol

TLV (mg/m³): 19

Maximum Hourly Emission Rate (lbs/hr): 3.62

Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m³):
406.60

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m³): 452.38

Pollutant: Methyl Ethyl Ketone

TLV (mg/m³): 590

Maximum Hourly Emission Rate (lbs/hr): 21.84

Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m³):
2,516.05

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m³): 14,047.62

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:
 - a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was

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proposed in the application and modeled; and

- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).
3. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of the evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Emissions Unit ID: K002

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (K003) - Lid Interior and Exterior Coating (Two Paint Booths)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
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Emissions Unit ID: K003

<p>OAC rule 3745-31-05(A)(3) (Modification)</p>	<p>Volatile organic compound (VOC) emissions from the application of interior coatings in this emissions unit shall not exceed 11.8 pounds per hour.</p> <p>VOC emissions from the application of interior coatings materials in this emissions unit shall not exceed 46.22 tons per year.</p> <p>VOC emissions from the application of cleanup for this emissions unit shall not exceed 6.76 tons per year.</p> <p>Particulate emissions from this emission unit shall not exceed 2.41 tons of particulate emissions per year.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1), 3745-17-11(B)(1), 3745-35-07(B), and 3745-21-09(U)(1)(e).</p> <p>Emissions from natural gas usage in the associated oven shared by K001 and K003 combined shall not exceed:</p> <p>0.72 lb NOx/hr; 3.15 tons NOx/yr; 0.004 lb SO2/hr; 0.02 ton SO2/yr; 0.605 lb CO/hr; 2.65 tons CO/yr; 0.055 lb PE/hr; 0.24 ton PE/yr; 0.040 lb VOC/hr; and 0.17 ton VOC/yr</p>
<p>OAC rule 3745-17-11(B)(1)</p>	<p>Particulate emissions shall not exceed 0.551 pound per hour, based on Table I.</p>
<p>OAC rule 3745-17-07 (A)(1) 38</p>	<p>Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.</p>
<p>OAC rule 3475-21-09 (U)(1)(e) 380210</p>	<p>4.3 pounds VOC / gallon of interior coating, excluding water and exempt solvents.</p>
<p>OAC rule 3745-21-09 (U) (1)(f)</p>	<p>3.5 pounds VOC / gallon of exterior coating, excluding water and exempt solvents.</p>

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<p>OAC rule 3745-35-07(B) (Synthetic minor to avoid Title V)</p>	<p>Volatile Organic Compound(VOC) emissions from all coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 88.0 tons per rolling, 12-month period.</p>
<p>OAC rule 3745-31-05 (C) (Synthetic Minor to avoid MACT)</p>	<p>Individual HAP emissions from all coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 9.9 tons per rolling, 12-month period.</p> <p>Combined HAP emissions from all coatings and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 24.9 tons per rolling, 12-month period.</p> <p>See A.II.2 and A.II.3 below.</p>

2. Additional Terms and Conditions

- 2.a** The hourly VOC emission limitation for this emissions unit was established to reflect the potential to emit. Therefore, it is not necessary to develop recording keeping and/or reporting requirements to ensure compliance with this limit.
- 2.b** The hourly particulate emission limitation for this emissions unit is greater than the potential to emit as vented to dry filtration. Therefore it is not necessary to develop recording keeping and/or reporting requirements to ensure compliance with this limit.

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II. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
2. The maximum annual coating usage for emissions units K001 and K003 shall not exceed 21,500 gallons for interior coatings with a maximum VOC content of 4.3 pounds per gallon based upon a rolling, 12-month summation of coating usage figures.

The maximum annual coating usage for emissions units K002 shall not exceed 20,000 gallons for coatings with a maximum VOC content of 3.5 pounds per gallon, based upon a rolling, 12-month summation of coating usage figures.

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

3. The maximum annual cleanup material usage for emissions units K001, K002, and K003 combined shall not exceed 1,800 gallons, based upon a rolling, 12-month summation of cleanup/solvent material usage figures.

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month for emissions units K001, K002, K003, and P003:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content of each coating, as applied;
 - c. the individual HAP¹ content for each HAP of each coating in pounds of individual HAP per gallon of coating, as applied;
 - d. the total combined HAP content for each HAP of each coating in pounds of combined HAPs per gallon of coating, as applied (sum of all individual HAP contents from c);
 - e. the number of gallons of each coating employed;
 - f. the name and identification of each cleanup/solvent material employed;
 - g. the VOC content of each cleanup/solvent material employed

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- h. the individual HAP content for each HAP of each cleanup/solvent material in pounds of individual HAP per gallon cleanup/solvent material, as applied;
- i. the total combined HAP content of each cleanup/solvent material in pounds of combined HAPs per gallon of cleanup/solvent material, as applied (sum of all individual HAP contents from h);
- j. the number of gallons of each cleanup/solvent material employed;
- k.
 - i. the total VOC emissions from all coating, in pounds or tons per rolling, 12-month period (the sum of b times e for each coating);
 - ii. the total VOC emissions from all cleanup/solvent materials, in pounds or tons per rolling, 12-month period (the sum of g times j for each cleanup/solvent material);
- l. the total individual HAP emissions for each HAP from all coating and cleanup/solvent material in pounds or tons per rolling, 12-month period (for each HAP the sum of c times e for each coating and the sum of h times j for each cleanup/solvent material); and
- m. the total combined HAP emissions from all coating and cleanup/solvent materials employed, in pounds or tons per month and pounds or tons per rolling, 12-month period (the sum of d times e for each coating plus the sum of i times j for each cleanup/solvent material).

¹A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets typically include a listing of the solvents contained in the interior coatings or clean materials. This information does not have to be kept on a line-by-line basis.

- 2. The permittee shall collect and record the following information each day for emissions unit K003:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and
 - c. the daily volume-weighted average VOC content of all interior coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.
 - d. the daily volume-weighted average VOC content of all exterior coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.

IV. Reporting Requirements

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1. The permittee shall notify the Ohio EPA, Central District Office in writing of any monthly record showing the use of noncomplying interior coatings (i.e. for VOC content). The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 30 days following the end of the calender month.
2. The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing that the filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 30 days after the event has occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:
 - a. the rolling, 12-month coating usage limitation;
 - b. the rolling, 12-month cleanup/solvent usage limitation;
 - c. the rolling, 12-month VOC emission limitation;
 - d. the rolling, 12-month total individual HAP emission limitation; and
 - e. the rolling, 12-month total combined HAP emissions limitation;

These reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

4. The permittee shall submit annual reports by April 15th each year that specify the VOC, individual and combined HAP emissions from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

V. Testing Requirements

1. Compliance with the emission limittions in Section A.I.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - 1.a Emission Limitation: 4.3 pounds VOC/gallon of interior coating (excluding water and exempt solvents).

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.2 of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee

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shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Emission Limitation: 3.5 pounds VOC/gallon of exterior coating (excluding water and exempt solvents).

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.2 of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

- 1.b Emission Limitation: VOC emissions from the application of interior coatings of this emissions unit shall not exceed 11.83 pounds per hour.

Applicable Compliance Method: Compliance may be based upon multiplying the maximum hourly coating usage (2.75 gal/hr) by the maximum VOC content of the coating (4.3 lbs/gal).

- 1.c Emission Limitations: VOC emissions from the application of coatings materials shall not exceed 46.22 tons per year.

VOC emissions from the application of cleanup/solvent materials shall not exceed 6.76 tons per year.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1.k of this permit.

- 1.d Emission Limitation:
Particulate emissions shall not exceed 0.551 pound per hour.

Applicable Compliance Method:
To determine the actual worst case particulate emissions rate (E), the following equation shall be used for the paint spraying operations:

$E = \text{particulate emissions rate (lbs/hr)}$

$= \text{maximum coating solids usage rate in pounds per hour of } 16.2 \text{ lbs/hr} \times (1-TE) \times (1-CE)$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used (70%

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according to the permit application).

CE = control efficiency of the control equipment (assumed to be 98%)
If required, the permittee shall demonstrate compliance with the above emissions limit pursuant to OAC rule 3745-17-03(B)(10).

- 1.e Emission Limitation: Particulate emissions from this emissions unit shall not exceed 2.41 tons per year.

Applicable Compliance Method:

Compliance with the annual limitation may be determined by multiplying the maximum hourly particulate rate determined from 1.d above, by 8760 hrs/yr then divided by 2000lbs/ton. Therefore, compliance with the annual limit shall be assumed provided compliance is maintained with the lb/hr limit.

- 1.f Emission Limitation: Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method: If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

- 1.g Emission Limitation: VOC emissions from the application of coating and cleanup / solvent from emissions units K001, K002, K003, and P003 combined shall not exceed 88.0 tons per rolling 12-month

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements specified in section A.III.1.k of this permit.

- 1.h Emission Limitation:
Individual HAP emissions from all coating and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 combined shall not exceed 9.9 tons per rolling, 12-month period.

Combined HAP emissions from all coating and cleanup/solvent materials employed in emissions units K001, K002, K003, and P003 shall not exceed 24.9 tons per rolling, 12-month period.

Applicable Compliance Method: Compliance shall be based upon the record

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keeping requirements specified in section A.III.1.l and A.III.1.m of this permit.

- 1.i Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.72 lb NO_x/hr

Applicable Compliance Method: Compliance with the allowable mass emission rate for NO_x emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 100 lb of NO_x/mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 7E.

- 1.j Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.605 lb CO/hr

Applicable Compliance Method: Compliance with the allowable mass emission rate for CO emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 84 lb of CO /mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98).If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 10.

- 1.k Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.004 lb SO₂/hr

Applicable Compliance Method: Applicable Compliance Method: Compliance with the allowable mass emission rate for SO₂ emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 0.6 lb of SO₂/mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 6C.

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- 1.l Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.040 lb VOC/hr

Applicable Compliance Method: Applicable Compliance Method: Compliance with the allowable mass emission rate for VOC emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 5.5 lb of VOC/mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 18, 25 or 25A.

- 1.m Emission Limitation: Emissions from natural gas usage in the associated oven shall not exceed:
0.055 lb PE/hr

Applicable Compliance Method: Applicable Compliance Method: Compliance with the allowable mass emission rate for PM emissions from the natural gas usage in the associated oven may be determined by multiplying an emission factor of 1.9 lb of PM /mmscf by the associated oven 's maximum hourly fuel usage of 0.0072 MMscf/hr. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Tables 1.4-1 and 1.4-2(7/98). If required, the permittee shall demonstrate compliance with the emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

- 1.n Emission Limitations: Emissions from natural gas usage in the associated oven shall not exceed 0.24 ton of PE/yr; Emissions from natural gas usage in the associated oven shall not exceed 0.02 ton of SO₂/yr; Emissions from natural gas usage in the associated oven shall not exceed 0.17 ton of VOC/yr; Emissions from natural gas usage in the associated oven shall not exceed 3.15 tons of NO_x/yr; Emissions from natural gas usage in the associated oven shall not exceed 2.65 tons of CO/yr.

Applicable Compliance Method: Compliance with the annual limitations shall be assumed as long as compliance with the hourly limitations is maintained (each annual limitation was calculated by multiplying the hourly limitation by 8760, and

then dividing by 2000).

VI. Miscellaneous Requirements

None

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (K003) - Lid Interior and Exterior Coating (Two Paint Booths)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Ohio Air Toxic Policy	See B.III below.

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit K001 was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Toluene

TLV (mg/m³): 188

Maximum Hourly Emission Rate (lbs/hr): 3.50

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Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):
393.49

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 4476

Pollutant: Methyl Isobutyl Ketone

TLV (mg/m3): 205

Maximum Hourly Emission Rate (lbs/hr): 8.30

Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):
931.25

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 4,880.95

Pollutant: Phenol

TLV (mg/m3): 19

Maximum Hourly Emission Rate (lbs/hr): 3.62

Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):
406.60

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 452.38

Pollutant: Methyl Ethyl Ketone

TLV (mg/m3): 590

Maximum Hourly Emission Rate (lbs/hr): 21.84

Predicted 1-Hour Maximum Ground Level Concentration at the Fence Line (ug/m3):
2,516.05

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 14,047.62

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:
 - a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents,

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Biological Exposure Indices");

- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
 - c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).
3. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of the evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None