



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

05/22/02

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

04-48-01-0240
Manufacturers Enameling Corporation
Richard A. Dooley
400 S. Westwood Avenue
Toledo, OH 43609-1599

Dear Richard A. Dooley:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully.

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of 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. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

If you have any questions, please contact Toledo Div of Environmental Services.

Very truly yours,

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

cc: Toledo Div of Environmental Services
File, DAPC PMU



State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: **05/22/02**

Effective Date: **05/22/02**

Expiration Date: **05/22/07**

This document constitutes issuance of a Title V permit for Facility ID: 04-48-01-0240 to:
Manufacturers Enameling Corporation
400 S. Westwood Avenue
Toledo, OH 43609-1599

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

K003 (Line #3) Plastic Auto Parts Coating and Repair Line	K012 (Line #1-2) Miscellaneous Metal Parts Coating Line	K022 (Line #2-2) Plastic Auto Parts Coating Line - Also Used on Metal Parts Which Must Color-Match Plastic Parts and Are Coated With Same Paints
K004 (Line #4) Auto Parts Batch Coating System for Metal and Plastic Parts	K013 (Line #1-3) Miscellaneous Metal Parts Coating Line	K023 (Line #2-3) Plastic Auto Parts Coating Line - Also Used on Metal Parts Which Must Color-Match Plastic Parts and Are Coated With Same Paints
K005 (Line #5) Picture Tube Coating Line	K014 (Line #1-4) Miscellaneous Metal Parts Coating Line	
K011 (Line #1-1) Miscellaneous Metal Parts Coating Line	K021 (Line #2-1) Plastic Auto Parts Coating Line - Also Used on Metal Parts Which Must Color-Match Plastic Parts and Are Coated With Same Paints	

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Toledo Div of Environmental Services
348 South Erie Street
Toledo, OH 43602-1633
(419) 936-3015

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. *State and Federally Enforceable Section*

1. **Monitoring and Related Record Keeping 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))
- 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 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))
- 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 record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))
 - 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 record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.6 below if no deviations occurred during the quarter.

- (Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))*
- iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, record keeping, and reporting requirements. 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.
- (Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))*
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- (Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))*

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 condition, of any emissions unit(s) 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 submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upset conditions.

Except as provided in OAC rule 3745-15-06, 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 emissions unit(s) that is (are) served by such control system(s).

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iii))

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.

(Authority for term: OAC rule 3745-77-07(A)(4))

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.

(Authority for term: OAC rule 3745-77-07(A)(5))

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.

(Authority for term: OAC rule 3745-77-07(A)(6))

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.10 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

(Authority for term: OAC rule 3745-77-07(A)(7))

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.

(Authority for term: OAC rule 3745-77-07(A)(8))

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

(Authority for term: OAC rule 3745-77-07(A)(9))

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.

(Authority for term: OAC rule 3745-77-07(A)(10))

10. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

- a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.
- b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.
- c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

11. Federal and State Enforceability

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

(Authority for term: OAC rule 3745-77-07(B))

12. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V 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 paragraph (E) of OAC rule 3745-77-03.
 - 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.

- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:
 - i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.

- (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
- iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

13. Permit Shield

- a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.
- b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

15. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

(Authority for term: OAC rule 3745-77-07(G))

16. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;
- b. The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change;
- c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);
- d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and
- e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(For purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)

(Authority for term: OAC rule 3745-77-07(I))

17. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)

18. Insignificant Activities

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.

(Authority for term: OAC rule 3745-77-07(A)(1))

19. Permit to Install Requirement

Prior to the “installation” or “modification” of any “air contaminant source,” as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. 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.

(Authority for term: OAC rule 3745-77-07(A)(1))

B. State Only Enforceable Section

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

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

2. Records Retention Requirements

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.

3. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a

written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

4. 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 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. 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 emissions unit(s) that is (are) served by such control system(s).

5. Permit Transfers

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

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

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

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

1. This facility developed and registered a risk management plan pursuant to section 112(r) of the Act and, therefore, is subject to Section 112(r) of the Act.

B. State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

B001 - boiler #1;
T001 - tank #1;
T002 - tank #2;
T003 - tank #3; and
T004 - tank #4.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #3 (K003)

Activity Description: Plastic Auto Parts Coating and Repair Line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth #3 with water wash control, and an electric infrared/ultraviolet oven #3-2, with no controls	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, 40 pounds per day and 8 pounds per hour of organic materials from paint spray booth #3 for the coatings and photochemically reactive cleanup materials used for the non-metal parts.
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, 4.3 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts.
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any other (non-clear) coating used for the metal parts.
natural gas, direct-fired drying oven #3-1, with no controls	OAC rule 3745-21-07(G)(1)	On any day when coating non-metal parts and the coatings are baked, heat-cured or heat-polymerized, 15 pounds per day and 3 pounds per hour of organic materials from oven #3-1 for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall operate the water curtain when the paint spray booth is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the paint spray booth was in operation.
2. The permittee shall identify each type of substrate coated, metal or non-metal, and the relative surface area of, or the relative rate of coating application to, each substrate coated for each coating on each day the emissions unit is in operation.
3. On each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #3-1, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. the total number of hours spray booth #3 was in operation for such non-metal parts;
 - f. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
 - g. the company identification of each non-photochemically reactive cleanup material employed;
 - h. the number of gallons of each non-photochemically reactive cleanup material employed;
 - i. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - j. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

4. On each day when coating non-metal parts, the coatings employed are baked, heat-cured or heat-polymerized in oven #3-1, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for each such non-metal part:
- a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate from the paint spray booth for all photochemically reactive cleanup materials, in pounds per day;
 - e. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - f. the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - g. the total organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f));
 - h. the total number of hours the paint spray booth was in operation when oven #3-1 was being employed;
 - i. the average hourly organic compound emission rate from the paint spray booth for the coatings and photochemically reactive cleanup materials, i.e., (g)/(h), in pounds per hour (average);
 - j. the company identification of each non-photochemically reactive cleanup material employed;
 - k. the number of gallons of each non-photochemically reactive cleanup material employed;
 - l. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - m. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

5. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #3-1, and no photochemically reactive material is employed as a coating or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- a. the company identification for each coating employed;
 - b. the number of gallons of each coating employed;
 - c. the organic compound content of each coating, in pounds per gallon;
 - d. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - e. the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - f. the company identification of each cleanup material employed;
 - g. the number of gallons of each cleanup material employed;
 - h. the organic compound content of each cleanup material employed, in pounds per gallon;
 - i. the total organic compound emission rate for all cleanup materials employed, in pounds per day; and
 - j. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit.]

6. On each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #3-1, the permittee shall collect and record the following information for such non-metal parts:
- a. the total potential (prior to applying the booth/oven "split") uncontrolled daily organic compound emission rate from the paint spray booth for all coatings employed (the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation), multiplied by the maximum percentage of the emissions associated with oven #3-1 (as defined in section A.III.8 of this permit), in pounds per day;
 - b. the total number of hours oven #3-1 was in operation; and
 - c. the average hourly organic compound emission rate from oven #3-1, i.e., (a)/(b), in pounds per hour (average).

III. Monitoring and/or Record Keeping Requirements (continued)

7. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - 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 clear coating and of each other (non-clear) coating, as applied;
 - c. the volume-weighted average VOC contents of all clear coatings and of all other (non-clear) 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 company identification for each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the organic compound content of each cleanup material employed; and
 - g. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the metal substrates determined in section A.III.2 of this permit.]

8. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize a value of 99% as the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining 1% of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between the paint spray booth and the associated oven is based upon the testing on catalyzed crosslinked coatings performed on July 12, 2001.
9. The permittee shall maintain records of the total annual organic compound emissions from this emissions unit. The total annual organic compound emissions shall be the sum of the daily emission rates recorded pursuant to sections A.III.3.d, A.III.3.j, A.III.4.g, A.III.4.m, A.III.5.j, A.III.6.a, and A.III.7.g.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the water curtain 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #3-1, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
 - b. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #3-1, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day;
 - c. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #3-1, an identification of each day during which the average hourly organic compound emissions from oven #3-1 for such non-metal parts exceeded 3 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - d. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #3-1, an identification of each day during which the organic compound emissions from oven #3-1 for such non-metal parts exceeded 15 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any clear coatings used for metal parts, exceeded the applicable limitation of 4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
4. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any non-clear coatings used for metal parts, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

1.c Emission Limitation:

40 pounds per day and 8 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3.

1.d Emission Limitation:

15 pounds per day and 3 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.6.

1.e Emission Limitation:

3.5 pounds of VOC per gallon of any coating material other than a clear coating, excluding water and exempt solvents, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

1.f Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a clear coating, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

Facility Name: **Manufacturers Enameling**
Facility ID: **04-48-01-0240**
Emissions Unit: **Line #3 (K003)**

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #4 (K004)

Activity Description: Auto Parts Batch Coating System for Metal and Plastic Parts

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth #4-1 - electrostatic powder spray booth with fabric filter control, and paint spray booth #4-2 - liquid paint manual spray booth with water wash controls	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, 40 pounds per day and 8 pounds per hour of organic materials from paint spray booths #4-1 and #4-2 combined for the coatings and photochemically reactive cleanup materials used for the non-metal parts.
	OAC rule 3745-21-09(U)(2)(e)(iii)	On any day when coating metal parts, maximum daily coating usage shall not exceed 10 gallons of coating in any one day for the coatings used for the metal parts.
natural gas, direct-fired drying oven #4, with no controls	OAC rule 3745-21-07(G)(1)	On any day when coating non-metal parts and the coatings are baked, heat cured, or heat polymerized, 15 pounds per day and 3 pounds per hour of organic materials from oven #4 for the coatings used in both spray booths for the non-metal parts.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall operate the fabric filter when paint spray booth #4-1 is in operation.
2. The permittee shall operate the water curtain when spray booth #4-2 is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the fabric filter was not in service when paint spray booth #4-1 was in operation.
2. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when spray booth #4-2 was in operation.
3. The permittee shall identify each type of substrate coated, metal or non-metal, and the relative surface area of, or the relative rate of coating application to, each substrate coated for each coating on each day the emissions unit is in operation.
4. On each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #4, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. the total number of hours during which one or more spray booths were in operation for such non-metal parts;
 - f. the average hourly organic compound emission rate from the paint spray booths for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
 - g. the company identification of each non-photochemically reactive cleanup material employed;
 - h. the number of gallons of each non-photochemically reactive cleanup material employed;
 - i. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - j. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

5. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #4 and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate from the paint spray booths for all photochemically reactive cleanup materials, in pounds per day;
 - e. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booths for all coatings, in pounds per day;
 - f. the total potential daily organic compound emission rate from the paint spray booths for all coatings multiplied by the maximum percentage of the emissions associated with both paint spray booths (as defined in section A.III.9 below), in pounds per day;
 - g. the total organic compound emission rate from the paint spray booths for all coatings and photochemically reactive cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f));
 - h. the total number of hours one or more of the paint spray booths were in operation when oven #4 was being employed;
 - i. the average hourly organic compound emission rate from the paint spray booths for the coatings and photochemically reactive cleanup materials, i.e., (g)/(h), in pounds per hour (average);
 - j. the company identification of each non-photochemically reactive cleanup material employed;
 - k. the number of gallons of each non-photochemically reactive cleanup material employed;
 - l. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - m. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth(s). When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.3 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

6. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #4, and no photochemically reactive material is employed as a coating or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- the company identification for each coating employed;
 - the number of gallons of each coating employed;
 - the organic compound content of each coating, in pounds per gallon;
 - the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booths for all coatings, in pounds per day;
 - the total potential daily organic compound emission rate from the paint spray booths for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booths (as defined in section A.III.9 below), in pounds per day;
 - the company identification of each cleanup material employed;
 - the number of gallons of each cleanup material employed;
 - the organic compound content of each cleanup material employed, in pounds per gallon;
 - the total organic compound emission rate for all cleanup materials employed, in pounds per day; and
 - the total organic compound emission rate from the paint spray booths for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth(s). When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.3 of this permit.]

7. On each day when coating non-metal parts, and the coatings employed are baked, heat-cured, or heat-polymerized in oven #4, the permittee shall collect and record the following information for such non-metal parts:
- the total potential (prior to applying the booth/oven "split") uncontrolled daily organic compound emission rate from the paint spray booths for all coatings employed in both booths (the sum of the figures from sections A.III.5.e and A.III.6.d for the corresponding day of operation), multiplied by the maximum percentage of the emissions associated with oven #4 (as defined in section A.III.9 of this permit), in pounds per day;
 - the total number of hours oven #4 was in operation (this number should be the same as the number of hours the associated booth(s) was (were) in operation; and
 - the average hourly organic compound emission rate from the oven, i.e., (a)/(b), in pounds per hour (average).

III. Monitoring and/or Record Keeping Requirements (continued)

8. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - a. the name and identification number of each coating, as applied;
 - b. the volume, in gallons, of each coating employed;
 - c. the total volume, in gallons, of all of the coatings employed;
 - d. the VOC content of each coating, as applied;
 - e. the company identification for each cleanup material employed;
 - f. the number of gallons of each cleanup material employed;
 - g. the organic compound content of each cleanup material employed; and
 - h. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the metal substrates determined in section A.III.3 of this permit.]

9. For purposes of calculating the organic compound emission rate for both paint spray booths and the associated oven, the permittee shall utilize a value of 99% as the maximum percentage of the organic compounds employed in the paint spray booths that are emitted uncontrolled from the paint spray booths. The remaining 1% of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between the paint spray booth(s) and the associated oven is based upon the testing on catalyzed crosslinked coatings performed on July 12, 2001.
10. The permittee shall maintain records of the total annual organic compound emissions from this emissions unit. The total annual organic compound emissions shall be the sum of the daily emission rates recorded pursuant to sections A.III.4.d, A.III.4.j, A.III.5.g, A.III.5.m, A.III.6.j, A.III.7.a, and A.III.8.h.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the fabric filter controlling paint spray booth #4-1 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the water curtain controlling paint spray booth #4-2 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #4, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booths for such non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
 - b. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #4, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booths for such non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day;
 - c. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #4, an identification of each day during which the average hourly organic compound emissions from oven #4 for such non-metal parts exceeded 3 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - d. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #4, an identification of each day during which the organic compound emissions from oven #4 for such non-metal parts exceeded 15 pounds per day, and the actual organic compound emissions for each such day.
4. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).
 - 1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

V. Testing Requirements (continued)

1.c Emission Limitation:

40 pounds per day and 8 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in sections A.III.4. and A.III.5.

1.d Emission Limitation:

15 pounds per day and 3 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7.

1.e Emission Limitation:

Maximum daily coating usage shall not exceed 10 gallons of coating in any one day for coating metal parts.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.8.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #5 (K005)
Activity Description: Picture Tube Coating Line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
HVLV paint spray booth #5 with dry fabric filter control, and an infrared drying oven #5, with no controls	OAC rule 3745-31-05(A)(3) (PTI 04-772)	See A.I.2.a and A.I.2.b below.
	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	See A.II.2 below.
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, 4.3 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts.
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any other (non-clear) coating used for the metal parts.

2. Additional Terms and Conditions

- 2.a The combined emissions from spray booth #5 and oven #5 shall not exceed 5.33 pounds of VOC per hour, 128 pounds of VOC per day, or 23.3 tons of VOC per rolling, 365-day period.
- 2.b The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1), OAC rule 3745-17-11(B)(1), OAC rule 3745-21-09(U)(1)(a), and OAC rule 3745-21-09(U)(1)(c).

II. Operational Restrictions

1. The permittee shall operate the fabric filter when the paint spray booth is in operation.

II. Operational Restrictions (continued)

2. The permittee shall not employ any photochemically reactive materials (coatings or cleanup materials), as defined in OAC rule 3745-21-01(C)(5), in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the fabric filter was not in service when the paint spray booth was in operation.
2. On each day, the permittee shall collect and record the following information:
 - a. the company identification for each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the VOC content of each coating and cleanup material, in pounds per gallon;
 - d. the total daily VOC emission rate for all the coatings and cleanup materials employed, in pounds per day;
 - e. the total number of hours the booth was in operation;
 - f. the average hourly VOC emission rate for all the coatings and cleanup materials employed, i.e., (d)/(e), in pounds per hour (average); and
 - g. documentation on whether or not each coating and cleanup material employed is a photochemically reactive material.

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth.]

3. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - 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 clear coating and of each other (non-clear) coating, as applied; and
 - c. the volume-weighted average VOC contents of all clear coatings and of all other (non-clear) coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC₂.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the fabric filter 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all days when a photochemically reactive material (coating and/or cleanup material) is employed.
3. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the average combined hourly VOC emissions from spray booth #5 and oven #5 exceeded 5.33 pounds per hour, and the actual average hourly VOC emissions for each such day.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily VOC emissions from spray booth #5 and oven #5 exceeded 128 pounds per day, and the actual daily VOC emissions for each such day.

IV. Reporting Requirements (continued)

5. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any clear coatings used for metal parts, exceeded the applicable limitation of 4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
6. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any non-clear coatings used for metal parts, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
7. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

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

- 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).

- 1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

- 1.c Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a clear coating, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

V. Testing Requirements (continued)

1.d Emission Limitation:

3.5 pounds of VOC per gallon of any coating material other than a clear coating, excluding water and exempt solvents, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

1.e Emission Limitation:

5.33 pounds of VOC per hour

128 pounds of VOC per day

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.2.

1.f Emission Limitation:

23.3 tons of VOC per rolling, 365-day period

Applicable Compliance Method:

This limitation was derived by multiplying the allowable daily emission limitation of 128 pounds of VOC per day by the maximum operating schedule of 365 days per year, and then dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the daily limitation, compliance shall also be shown with the annual emission limitation.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #1-1 (K011)

Activity Description: Miscellaneous Metal Parts Coating Line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth #1-1 with water wash control	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, 40 pounds per day and 8 pounds per hour of organic materials from paint spray booth #1-1 for the coatings and photochemically reactive cleanup materials used for the non-metal parts.
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, 4.3 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts.
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any other (non-clear) coating used for the metal parts.
natural gas, direct-fired drying oven #1-1, with no controls	OAC rule 3745-21-07(G)(1)	On any day when coating non-metal parts and the coatings are baked, heat-cured or heat-polymerized, 15 pounds per day and 3 pounds per hour of organic materials from oven #1-1 for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall operate the water curtain when the paint spray booth is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the paint spray booth was in operation.
2. The permittee shall identify each type of substrate coated, metal or non-metal, and the relative surface area of, or the relative rate of coating application to, each substrate coated for each coating on each day the emissions unit is in operation.
3. On each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-1, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. the total number of hours spray booth #1-1 was in operation for such non-metal parts;
 - f. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
 - g. the company identification of each non-photochemically reactive cleanup material employed;
 - h. the number of gallons of each non-photochemically reactive cleanup material employed;
 - i. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - j. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

4. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate from the paint spray booth for all photochemically reactive cleanup materials, in pounds per day;
 - e. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - f. the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - g. the total organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f));
 - h. the total number of hours the paint spray booth was in operation when oven #1-1 was being employed;
 - i. the average hourly organic compound emission rate from the paint spray booth for the coatings and photochemically reactive cleanup materials, i.e., (g)/(h), in pounds per hour (average);
 - j. the company identification of each non-photochemically reactive cleanup material employed;
 - k. the number of gallons of each non-photochemically reactive cleanup material employed;
 - l. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - m. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

5. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, and no photochemically reactive material is employed as a coating or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- a. the company identification for each coating employed;
 - b. the number of gallons of each coating employed;
 - c. the organic compound content of each coating, in pounds per gallon; and
 - d. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - e. the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - f. the company identification of each cleanup material employed;
 - g. the number of gallons of each cleanup material employed;
 - h. the organic compound content of each cleanup material employed, in pounds per gallon;
 - i. the total organic compound emission rate for all cleanup materials employed, in pounds per day; and
 - j. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit.]

6. On each day when coating non-metal parts, and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, the permittee shall collect and record the following information for such non-metal parts:
- a. the total potential (prior to applying the booth/oven "split") uncontrolled daily organic compound emission rate from the paint spray booths for all coatings employed in the booths (the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for this emissions unit plus the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for emissions unit K012), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.8 of this permit), in pounds per day;
 - b. the total number of hours oven #1-1 was in operation (this number should be the same as the number of hours spray booth #1-1 was in operation); and
 - c. the average hourly organic compound emission rate from the oven, i.e., (a)/(b), in pounds per hour (average).

III. Monitoring and/or Record Keeping Requirements (continued)

7. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - 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 clear coating and of each other (non-clear) coating, as applied;
 - c. the volume-weighted average VOC contents of all clear coatings and of all other (non-clear) 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 company identification for each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the organic compound content of each cleanup material employed; and
 - g. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the metal substrates determined in section A.III.2 of this permit.]

8. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize a value of 99% as the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining 1% of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between the paint spray booth and the associated oven is based upon the testing on catalyzed crosslinked coatings performed on July 12, 2001.
9. The permittee shall maintain records of the total annual organic compound emissions from this emissions unit. The total annual organic compound emissions shall be the sum of the daily emission rates recorded pursuant to sections A.III.3.d, A.III.3.j, A.III.4.g, A.III.4.m, A.III.5.j, A.III.6.a, and A.III.7.g.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the water curtain 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-1, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
 - b. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-1, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day;
 - c. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, an identification of each day during which the average hourly organic compound emissions from oven #1-1 for such non-metal parts exceeded 3 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - d. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, an identification of each day during which the organic compound emissions from oven #1-1 for such non-metal parts exceeded 15 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any clear coatings used for metal parts, exceeded the applicable limitation of 4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
4. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any non-clear coatings used for metal parts, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

1.c Emission Limitation:

40 pounds per day and 8 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3.

1.d Emission Limitation:

15 pounds per day and 3 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.6.

1.e Emission Limitation:

3.5 pounds of VOC per gallon of any coating material other than a clear coating, excluding water and exempt solvents, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

1.f Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a clear coating, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

Facility Name: **Manufacturers Enameling**
Facility ID: **04-48-01-0240**
Emissions Unit: **Line #1-1 (K011)**

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #1-2 (K012)

Activity Description: Miscellaneous Metal Parts Coating Line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth #1-2 with water wash control	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, 40 pounds per day and 8 pounds per hour of organic materials from paint spray booth #1-2 for the coatings and photochemically reactive cleanup materials used for the non-metal parts.
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, 4.3 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts.
natural gas, direct-fired drying oven #1-1, with no controls	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any other (non-clear) coating used for the metal parts.
	OAC rule 3745-21-07(G)(1)	On any day when coating non-metal parts and the coatings are baked, heat-cured or heat-polymerized, 15 pounds per day and 3 pounds per hour of organic materials from oven #1-1 for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall operate the water curtain when the paint spray booth is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the paint spray booth was in operation.
2. The permittee shall identify each type of substrate coated, metal or non-metal, and the relative surface area of, or the relative rate of coating application to, each substrate coated for each coating on each day the emissions unit is in operation.
3. On each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-1, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. the total number of hours spray booth #1-2 was in operation for such non-metal parts;
 - f. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
 - g. the company identification of each non-photochemically reactive cleanup material employed;
 - h. the number of gallons of each non-photochemically reactive cleanup material employed;
 - i. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - j. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

4. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate from the paint spray booth for all photochemically reactive cleanup materials, in pounds per day;
 - e. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - f. the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - g. the total organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f));
 - h. the total number of hours the paint spray booth was in operation when oven #1-1 was being employed;
 - i. the average hourly organic compound emission rate from the paint spray booth for the coatings and photochemically reactive cleanup materials, i.e., (g)/(h), in pounds per hour (average);
 - j. the company identification of each non-photochemically reactive cleanup material employed;
 - k. the number of gallons of each non-photochemically reactive cleanup material employed;
 - l. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - m. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

5. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, and no photochemically reactive material is employed as a coating or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- the company identification for each coating employed;
 - the number of gallons of each coating employed;
 - the organic compound content of each coating, in pounds per gallon; and
 - the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - the company identification of each cleanup material employed;
 - the number of gallons of each cleanup material employed;
 - the organic compound content of each cleanup material employed, in pounds per gallon;
 - the total organic compound emission rate for all cleanup materials employed, in pounds per day; and
 - the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit.]

6. On each day when coating non-metal parts, and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, the permittee shall collect and record the following information for such non-metal parts:
- the total potential (prior to applying the booth/oven "split") uncontrolled daily organic compound emission rate from the paint spray booths for all coatings employed in the booths (the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for this emissions unit plus the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for emissions unit K011), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.8 of this permit), in pounds per day;
 - the total number of hours oven #1-1 was in operation (this number should be the same as the number of hours spray booth #1-2 was in operation); and
 - the average hourly organic compound emission rate from the oven, i.e., (a)/(b), in pounds per hour (average).

III. Monitoring and/or Record Keeping Requirements (continued)

7. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - 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 clear coating and of each other (non-clear) coating, as applied;
 - c. the volume-weighted average VOC contents of all clear coatings and of all other (non-clear) 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 company identification for each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the organic compound content of each cleanup material employed; and
 - g. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the metal substrates determined in section A.III.2 of this permit.]

8. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize a value of 99% as the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining 1% of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between the paint spray booth and the associated oven is based upon the testing on catalyzed crosslinked coatings performed on July 12, 2001.
9. The permittee shall maintain records of the total annual organic compound emissions from this emissions unit. The total annual organic compound emissions shall be the sum of the daily emission rates recorded pursuant to sections A.III.3.d, A.III.3.j, A.III.4.g, A.III.4.m, A.III.5.j, A.III.6.a, and A.III.7.g.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the water curtain 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-1, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
 - b. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-1, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day;
 - c. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, an identification of each day during which the average hourly organic compound emissions from oven #1-1 for such non-metal parts exceeded 3 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - d. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-1, an identification of each day during which the organic compound emissions from oven #1-1 for such non-metal parts exceeded 15 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any clear coatings used for metal parts, exceeded the applicable limitation of 4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
4. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any non-clear coatings used for metal parts, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

1.c Emission Limitation:

40 pounds per day and 8 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3.

1.d Emission Limitation:

15 pounds per day and 3 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.6.

1.e Emission Limitation:

3.5 pounds of VOC per gallon of any coating material other than a clear coating, excluding water and exempt solvents, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

1.f Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a clear coating, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

Facility Name: **Manufacturers Enameling**
Facility ID: **04-48-01-0240**
Emissions Unit: **Line #1-2 (K012)**

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #1-3 (K013)

Activity Description: Miscellaneous Metal Parts Coating Line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth #1-3 with water wash control	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, 40 pounds per day and 8 pounds per hour of organic materials from paint spray booth #1-3 for the coatings and photochemically reactive cleanup materials used for the non-metal parts.
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, 4.3 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts.
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any other (non-clear) coating used for the metal parts.
natural gas, direct-fired drying oven #1-2, with no controls	OAC rule 3745-21-07(G)(1)	On any day when coating non-metal parts and the coatings are baked, heat-cured or heat-polymerized, 15 pounds per day and 3 pounds per hour of organic materials from oven #1-2 for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall operate the water curtain when the paint spray booth is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the paint spray booth was in operation.
2. The permittee shall identify each type of substrate coated, metal or non-metal, and the relative surface area of, or the relative rate of coating application to, each substrate coated for each coating on each day the emissions unit is in operation.
3. On each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-2, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. the total number of hours spray booth #1-3 was in operation for such non-metal parts;
 - f. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
 - g. the company identification of each non-photochemically reactive cleanup material employed;
 - h. the number of gallons of each non-photochemically reactive cleanup material employed;
 - i. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - j. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

4. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate from the paint spray booth for all photochemically reactive cleanup materials, in pounds per day;
 - e. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - f. the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - g. the total organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f));
 - h. the total number of hours the paint spray booth was in operation when oven #1-2 was being employed;
 - i. the average hourly organic compound emission rate from the paint spray booth for the coatings and photochemically reactive cleanup materials, i.e., (g)/(h), in pounds per hour (average);
 - j. the company identification of each non-photochemically reactive cleanup material employed;
 - k. the number of gallons of each non-photochemically reactive cleanup material employed;
 - l. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - m. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

5. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, and no photochemically reactive material is employed as a coating or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- the company identification for each coating employed;
 - the number of gallons of each coating employed;
 - the organic compound content of each coating, in pounds per gallon; and
 - the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - the company identification of each cleanup material employed;
 - the number of gallons of each cleanup material employed;
 - the organic compound content of each cleanup material employed, in pounds per gallon;
 - the total organic compound emission rate for all cleanup materials employed, in pounds per day; and
 - the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit.]

6. On each day when coating non-metal parts, and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, the permittee shall collect and record the following information for such non-metal parts:
- the total potential (prior to applying the booth/oven "split") uncontrolled daily organic compound emission rate from the paint spray booths for all coatings employed in the booths (the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for this emissions unit plus the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for emissions unit K014), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.8 of this permit), in pounds per day;
 - the total number of hours oven #1-2 was in operation (this number should be the same as the number of hours spray booth #1-3 was in operation); and
 - the average hourly organic compound emission rate from the oven, i.e., (a)/(b), in pounds per hour (average).

III. Monitoring and/or Record Keeping Requirements (continued)

7. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - 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 clear coating and of each other (non-clear) coating, as applied;
 - c. the volume-weighted average VOC contents of all clear coatings and of all other (non-clear) 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 company identification for each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the organic compound content of each cleanup material employed; and
 - g. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the metal substrates determined in section A.III.2 of this permit.]

8. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize a value of 99% as the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining 1% of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between the paint spray booth and the associated oven is based upon the testing on catalyzed crosslinked coatings performed on July 12, 2001.
9. The permittee shall maintain records of the total annual organic compound emissions from this emissions unit. The total annual organic compound emissions shall be the sum of the daily emission rates recorded pursuant to sections A.III.3.d, A.III.3.j, A.III.4.g, A.III.4.m, A.III.5.j, A.III.6.a, and A.III.7.g.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the water curtain 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-2, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
 - b. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-2, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day;
 - c. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, an identification of each day during which the average hourly organic compound emissions from oven #1-2 for such non-metal parts exceeded 3 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - d. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, an identification of each day during which the organic compound emissions from oven #1-2 for such non-metal parts exceeded 15 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any clear coatings used for metal parts, exceeded the applicable limitation of 4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
4. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any non-clear coatings used for metal parts, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

1.c Emission Limitation:

40 pounds per day and 8 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3.

1.d Emission Limitation:

15 pounds per day and 3 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.6.

1.e Emission Limitation:

3.5 pounds of VOC per gallon of any coating material other than a clear coating, excluding water and exempt solvents, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

1.f Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a clear coating, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

Facility Name: **Manufacturers Enameling**

Facility ID: **04-48-01-0240**

Emissions Unit: **Line #1-3 (K013)**

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #1-4 (K014)

Activity Description: Miscellaneous Metal Parts Coating Line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth #1-4 with water wash control	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, 40 pounds per day and 8 pounds per hour of organic materials from paint spray booth #1-4 for the coatings and photochemically reactive cleanup materials used for the non-metal parts.
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, 4.3 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts.
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any other (non-clear) coating used for the metal parts.
natural gas, direct-fired drying oven #1-2, with no controls	OAC rule 3745-21-07(G)(1)	On any day when coating non-metal parts and the coatings are baked, heat-cured or heat-polymerized, 15 pounds per day and 3 pounds per hour of organic materials from oven #1-2 for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall operate the water curtain when the paint spray booth is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the paint spray booth was in operation.
2. The permittee shall identify each type of substrate coated, metal or non-metal, and the relative surface area of, or the relative rate of coating application to, each substrate coated for each coating on each day the emissions unit is in operation.
3. On each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-2, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. the total number of hours spray booth #1-4 was in operation for such non-metal parts;
 - f. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
 - g. the company identification of each non-photochemically reactive cleanup material employed;
 - h. the number of gallons of each non-photochemically reactive cleanup material employed;
 - i. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - j. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

4. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate from the paint spray booth for all photochemically reactive cleanup materials, in pounds per day;
 - e. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - f. the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - g. the total organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f));
 - h. the total number of hours the paint spray booth was in operation when oven #1-2 was being employed;
 - i. the average hourly organic compound emission rate from the paint spray booth for the coatings and photochemically reactive cleanup materials, i.e., (g)/(h), in pounds per hour (average);
 - j. the company identification of each non-photochemically reactive cleanup material employed;
 - k. the number of gallons of each non-photochemically reactive cleanup material employed;
 - l. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - m. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

5. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, and no photochemically reactive material is employed as a coating or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- the company identification for each coating employed;
 - the number of gallons of each coating employed;
 - the organic compound content of each coating, in pounds per gallon; and
 - the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - the company identification of each cleanup material employed;
 - the number of gallons of each cleanup material employed;
 - the organic compound content of each cleanup material employed, in pounds per gallon;
 - the total organic compound emission rate for all cleanup materials employed, in pounds per day; and
 - the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit.]

6. On each day when coating non-metal parts, and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, the permittee shall collect and record the following information for such non-metal parts:
- the total potential (prior to applying the booth/oven "split") uncontrolled daily organic compound emission rate from the paint spray booths for all coatings employed in the booths (the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for this emissions unit plus the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for emissions unit K013), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.8 of this permit), in pounds per day;
 - the total number of hours oven #1-2 was in operation (this number should be the same as the number of hours spray booth #1-4 was in operation); and
 - the average hourly organic compound emission rate from the oven, i.e., (a)/(b), in pounds per hour (average).

III. Monitoring and/or Record Keeping Requirements (continued)

7. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - 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 clear coating and of each other (non-clear) coating, as applied;
 - c. the volume-weighted average VOC contents of all clear coatings and of all other (non-clear) 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 company identification for each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the organic compound content of each cleanup material employed; and
 - g. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the metal substrates determined in section A.III.2 of this permit.]

8. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize a value of 99% as the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining 1% of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between the paint spray booth and the associated oven is based upon the testing on catalyzed crosslinked coatings performed on July 12, 2001.
9. The permittee shall maintain records of the total annual organic compound emissions from this emissions unit. The total annual organic compound emissions shall be the sum of the daily emission rates recorded pursuant to sections A.III.3.d, A.III.3.j, A.III.4.g, A.III.4.m, A.III.5.j, A.III.6.a, and A.III.7.g.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the water curtain 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-2, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
 - b. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #1-2, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day;
 - c. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, an identification of each day during which the average hourly organic compound emissions from oven #1-2 for such non-metal parts exceeded 3 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - d. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #1-2, an identification of each day during which the organic compound emissions from oven #1-2 for such non-metal parts exceeded 15 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any clear coatings used for metal parts, exceeded the applicable limitation of 4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
4. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any non-clear coatings used for metal parts, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

1.c Emission Limitation:

40 pounds per day and 8 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3.

1.d Emission Limitation:

15 pounds per day and 3 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.6.

1.e Emission Limitation:

3.5 pounds of VOC per gallon of any coating material other than a clear coating, excluding water and exempt solvents, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

1.f Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a clear coating, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

Facility Name: **Manufacturers Enameling**
Facility ID: **04-48-01-0240**
Emissions Unit: **Line #1-4 (K014)**

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #2-1 (K021)

Activity Description: Plastic Auto Parts Coating Line - Also Used on Metal Parts Which Must Color-Match Plastic Parts and Are Coated With Same Paints

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth #2-1 with water wash control, and electric infrared curing oven #2-1 with no controls	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, 40 pounds per day and 8 pounds per hour of organic materials from paint spray booth #2-1 for the coatings and photochemically reactive cleanup materials used for the non-metal parts.
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, 4.3 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts.
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any other (non-clear) coating used for the metal parts.

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The permittee shall operate the water curtain when the paint spray booth is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the paint spray booth was in operation.
2. The permittee shall identify each type of substrate coated, metal or non-metal, and the relative surface area of, or the relative rate of coating application to, each substrate coated for each coating on each day the emissions unit is in operation.
3. On each day when coating non-metal parts and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. the total number of hours spray booth #2-1 was in operation for such non-metal parts;
 - f. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
 - g. the company identification of each non-photochemically reactive cleanup material employed;
 - h. the number of gallons of each non-photochemically reactive cleanup material employed;
 - i. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - j. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

4. On each day when coating non-metal parts and no photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the organic compound content of each coating and cleanup material, in pounds per gallon; and
 - d. the total organic compound emission rate for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit.]

III. Monitoring and/or Record Keeping Requirements (continued)

5. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - 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 clear coating and of each other (non-clear) coating, as applied; and
 - c. the volume-weighted average VOC contents of all clear coatings and of all other (non-clear) 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 company identification for each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the organic compound content of each cleanup material employed; and
 - g. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the metal substrates determined in section A.III.2 of this permit.]

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the water curtain 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. on each day when coating non-metal parts and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. on each day when coating non-metal parts and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any clear coatings used for metal parts, exceeded the applicable limitation of 4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
4. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any non-clear coatings used for metal parts, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

1.c Emission Limitation:

40 pounds per day and 8 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3.

1.d Emission Limitation:

3.5 pounds of VOC per gallon of any coating material other than a clear coating, excluding water and exempt solvents, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.5 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

V. Testing Requirements (continued)

1.e Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a clear coating, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.5 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #2-2 (K022)

Activity Description: Plastic Auto Parts Coating Line - Also Used on Metal Parts Which Must Color-Match Plastic Parts and Are Coated With Same Paints

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth #2-2 with water wash control	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, 40 pounds per day and 8 pounds per hour of organic materials from paint spray booth #2-2 for the coatings and photochemically reactive cleanup materials used for the non-metal parts.
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, 4.3 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts.
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any other (non-clear) coating used for the metal parts.
natural gas, direct-fired drying oven #2-2, with no controls	OAC rule 3745-21-07(G)(1)	On any day when coating non-metal parts and the coatings are baked, heat-cured or heat-polymerized, 15 pounds per day and 3 pounds per hour of organic materials from oven #2-2 for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall operate the water curtain when the paint spray booth is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the paint spray booth was in operation.
2. The permittee shall identify each type of substrate coated, metal or non-metal, and the relative surface area of, or the relative rate of coating application to, each substrate coated for each coating on each day the emissions unit is in operation.
3. On each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #2-2, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. the total number of hours spray booth #2-2 was in operation for such non-metal parts;
 - f. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
 - g. the company identification of each non-photochemically reactive cleanup material employed;
 - h. the number of gallons of each non-photochemically reactive cleanup material employed;
 - i. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - j. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

4. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate from the paint spray booth for all photochemically reactive cleanup materials, in pounds per day;
 - e. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - f. the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - g. the total organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f));
 - h. the total number of hours the paint spray booth was in operation when oven #2-2 was being employed;
 - i. the average hourly organic compound emission rate from the paint spray booth for the coatings and photochemically reactive cleanup materials, i.e., (g)/(h), in pounds per hour (average);
 - j. the company identification of each non-photochemically reactive cleanup material employed;
 - k. the number of gallons of each non-photochemically reactive cleanup material employed;
 - l. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - m. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

5. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, and no photochemically reactive material is employed as a coating or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- the company identification for each coating employed;
 - the number of gallons of each coating employed;
 - the organic compound content of each coating, in pounds per gallon; and
 - the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - the company identification of each cleanup material employed;
 - the number of gallons of each cleanup material employed;
 - the organic compound content of each cleanup material employed, in pounds per gallon;
 - the total organic compound emission rate for all cleanup materials employed, in pounds per day; and
 - the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit.]

6. On each day when coating non-metal parts, and the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, the permittee shall collect and record the following information for such non-metal parts:
- the total potential (prior to applying the booth/oven "split") uncontrolled daily organic compound emission rate from the paint spray booths for all coatings employed in the booths (the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for this emissions unit plus the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for emissions unit K023), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.8 of this permit), in pounds per day;
 - the total number of hours oven #2-2 was in operation (this number should be the same as the number of hours spray booth #2-2 was in operation); and
 - the average hourly organic compound emission rate from the oven, i.e., (a)/(b), in pounds per hour (average).

III. Monitoring and/or Record Keeping Requirements (continued)

7. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - 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 clear coating and of each other (non-clear) coating, as applied;
 - c. the volume-weighted average VOC contents of all clear coatings and of all other (non-clear) 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 company identification for each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the organic compound content of each cleanup material employed; and
 - g. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the metal substrates determined in section A.III.2 of this permit.]

8. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize a value of 99% as the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining 1% of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between the paint spray booth and the associated oven is based upon the testing on catalyzed crosslinked coatings performed on July 12, 2001.
9. The permittee shall maintain records of the total annual organic compound emissions from this emissions unit. The total annual organic compound emissions shall be the sum of the daily emission rates recorded pursuant to sections A.III.3.d, A.III.3.j, A.III.4.g, A.III.4.m, A.III.5.j, A.III.6.a, and A.III.7.g.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the water curtain 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #2-2, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
 - b. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #2-2, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day;
 - c. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, an identification of each day during which the average hourly organic compound emissions from oven #2-2 for such non-metal parts exceeded 3 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - d. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, an identification of each day during which the organic compound emissions from oven #2-2 for such non-metal parts exceeded 15 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any clear coatings used for metal parts, exceeded the applicable limitation of 4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
4. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any non-clear coatings used for metal parts, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

1.c Emission Limitation:

40 pounds per day and 8 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3.

1.d Emission Limitation:

15 pounds per day and 3 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.6.

1.e Emission Limitation:

3.5 pounds of VOC per gallon of any coating material other than a clear coating, excluding water and exempt solvents, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

1.f Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a clear coating, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

Facility Name: **Manufacturers Enameling**
Facility ID: **04-48-01-0240**
Emissions Unit: **Line #2-2 (K022)**

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Line #2-3 (K023)

Activity Description: Plastic Auto Parts Coating Line - Also Used on Metal Parts Which Must Color-Match Plastic Parts and Are Coated With Same Paints

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paint spray booth #2-3 with water wash control	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 3745-17-11(B)(1)	0.551 pound per hour of particulate emissions
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, 40 pounds per day and 8 pounds per hour of organic materials from paint spray booth #2-3 for the coatings and photochemically reactive cleanup materials used for the non-metal parts.
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, 4.3 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts.
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any other (non-clear) coating used for the metal parts.
natural gas, direct-fired drying oven #2-2, with no controls	OAC rule 3745-21-07(G)(1)	On any day when coating non-metal parts and the coatings are baked, heat-cured or heat-polymerized, 15 pounds per day and 3 pounds per hour of organic materials from oven #2-2 for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall operate the water curtain when the paint spray booth is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the paint spray booth was in operation.
2. The permittee shall identify each type of substrate coated, metal or non-metal, and the relative surface area of, or the relative rate of coating application to, each substrate coated for each coating on each day the emissions unit is in operation.
3. On each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #2-2, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. the total number of hours spray booth #2-3 was in operation for such non-metal parts;
 - f. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
 - g. the company identification of each non-photochemically reactive cleanup material employed;
 - h. the number of gallons of each non-photochemically reactive cleanup material employed;
 - i. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - j. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

4. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, and a photochemically reactive material is employed as a coating and/or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. the total organic compound emission rate from the paint spray booth for all photochemically reactive cleanup materials, in pounds per day;
 - e. the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - f. the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - g. the total organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f));
 - h. the total number of hours the paint spray booth was in operation when oven #2-2 was being employed;
 - i. the average hourly organic compound emission rate from the paint spray booth for the coatings and photochemically reactive cleanup materials, i.e., (g)/(h), in pounds per hour (average);
 - j. the company identification of each non-photochemically reactive cleanup material employed;
 - k. the number of gallons of each non-photochemically reactive cleanup material employed;
 - l. the organic compound content of each non-photochemically reactive cleanup material employed, in pounds per gallon; and
 - m. the total organic compound emission rate for all non-photochemically reactive cleanup materials employed, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

III. Monitoring and/or Record Keeping Requirements (continued)

5. On each day when coating non-metal parts, the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, and no photochemically reactive material is employed as a coating or cleanup material, the permittee shall collect and record the following information for such non-metal parts:
- the company identification for each coating employed;
 - the number of gallons of each coating employed;
 - the organic compound content of each coating, in pounds per gallon; and
 - the total potential (prior to applying the booth/oven "split") daily organic compound emission rate from the paint spray booth for all coatings, in pounds per day;
 - the total potential daily organic compound emission rate from the paint spray booth for all coatings multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.8 below), in pounds per day;
 - the company identification of each cleanup material employed;
 - the number of gallons of each cleanup material employed;
 - the organic compound content of each cleanup material employed, in pounds per gallon;
 - the total organic compound emission rate for all cleanup materials employed, in pounds per day; and
 - the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the spray booth. When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the non-metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the non-metal substrates determined in section A.III.2 of this permit.]

6. On each day when coating non-metal parts, and the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, the permittee shall collect and record the following information for such non-metal parts:
- the total potential (prior to applying the booth/oven "split") uncontrolled daily organic compound emission rate from the paint spray booths for all coatings employed in the booths (the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for this emissions unit plus the sum of the figures from sections A.III.4.e and A.III.5.d for the corresponding day of operation for emissions unit K022), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.8 of this permit), in pounds per day;
 - the total number of hours oven #2-2 was in operation (this number should be the same as the number of hours spray booth #2-3 was in operation); and
 - the average hourly organic compound emission rate from the oven, i.e., (a)/(b), in pounds per hour (average).

III. Monitoring and/or Record Keeping Requirements (continued)

7. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:
 - 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 clear coating and of each other (non-clear) coating, as applied;
 - c. the volume-weighted average VOC contents of all clear coatings and of all other (non-clear) 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 company identification for each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the organic compound content of each cleanup material employed; and
 - g. the total organic compound emission rate from the paint spray booth for all coatings and cleanup materials, in pounds per day (for the purpose of determining the total annual emissions from this emissions unit).

[Note: When coating substrates with both metal and non-metal surfaces, the number of gallons of coating applied to the metal surfaces may be determined by multiplying the actual number of gallons applied by the relative rate of coating application to the metal substrates determined in section A.III.2 of this permit.]

8. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize a value of 99% as the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining 1% of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between the paint spray booth and the associated oven is based upon the testing on catalyzed crosslinked coatings performed on July 12, 2001.
9. The permittee shall maintain records of the total annual organic compound emissions from this emissions unit. The total annual organic compound emissions shall be the sum of the daily emission rates recorded pursuant to sections A.III.3.d, A.III.3.j, A.III.4.g, A.III.4.m, A.III.5.j, A.III.6.a, and A.III.7.g.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the water curtain 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 Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #2-2, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
 - b. on each day when coating non-metal parts, the coatings employed are not baked, heat-cured, or heat-polymerized in oven #2-2, and a photochemically reactive material is employed as a coating and/or cleanup material, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials employed in the paint spray booth for such non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day;
 - c. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, an identification of each day during which the average hourly organic compound emissions from oven #2-2 for such non-metal parts exceeded 3 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - d. on each day when coating non-metal parts and the coatings employed are baked, heat-cured, or heat-polymerized in oven #2-2, an identification of each day during which the organic compound emissions from oven #2-2 for such non-metal parts exceeded 15 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any clear coatings used for metal parts, exceeded the applicable limitation of 4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
4. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the volume-weighted average VOC content, for any non-clear coatings used for metal parts, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the emission testing procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures and method(s) specified in OAC rule 3745-17-03(B)(10).

1.c Emission Limitation:

40 pounds per day and 8 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3.

1.d Emission Limitation:

15 pounds per day and 3 pounds per hour of organic materials

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.6.

1.e Emission Limitation:

3.5 pounds of VOC per gallon of any coating material other than a clear coating, excluding water and exempt solvents, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

1.f Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a clear coating, when coating metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.7 and the procedures and methods specified in OAC rule 3745-21-10(B).

Note: USEPA Methods 24 and 24A shall be used to determine the organic compound and VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A 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 or 24A.

Facility Name: **Manufacturers Enameling**
Facility ID: **04-48-01-0240**
Emissions Unit: **Line #2-3 (K023)**

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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