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

08/25/06

CERTIFIED MAIL

RE: Preliminary Proposed Title V Significant Permit Modification
Chapter 3745-77 permit

04-48-01-0240
Manufacturers Enameling Corporation
J. Patrick Dooley Sr.
400 S. Westwood Avenue
Toledo, OH 43609-1599

Dear J. Patrick Dooley:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 04/05/06. The comment period has ended. We are now ready to submit this permit to USEPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. **In order to facilitate our review of all the comments or concerns you may have with the enclosed preliminary proposed permit, please provide a hand marked-up copy of the permit showing the changes you think are necessary, along with any additional summary comments, within fourteen (14) days from your receipt of this letter to:**

Andrew Hall
Permit Review/Development Section
Ohio EPA, Division of Air Pollution Control
122 South Front Street
Columbus, Ohio 43215

and

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

Also, if you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within fourteen (14) days of your receipt of this letter, we will forward the proposed permit to USEPA for approval. All comments received will be carefully considered before proceeding to the proposed permit.

Sincerely,

Michael W. Ahern

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

cc: Toledo Div of Environmental Services
File, DAPC PIER

State of Ohio Environmental Protection Agency

PRELIMINARY PROPOSED TITLE V SIGNIFICANT PERMIT MODIFICATION

Original Effective Date:	Expiration Date: 01/01/00	Modification Effective Date: ***To be entered upon final issuance***

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

K004 (Line #4)
Auto Parts Batch Coating System for Metal and Plastic Parts

K011 (Line #1-1)
Miscellaneous Metal Parts Coating Line

K012 (Line #1-2)
Miscellaneous Metal Parts Coating Line

K013 (Line #1-3)
Miscellaneous Metal Parts Coating Line

K014 (Line #1-4)
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

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

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

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

Joseph P. Koncelik
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, i.e., in Section A.III of Part III of this Title V permit, 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. The permittee shall submit required reports in the following manner:

i. **All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:**

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with General Term and Condition A.1.c.ii below; and each report shall cover the previous calendar quarter (An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c)).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided

in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

ii. **Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.IV of Part III of this Title V permit or, in some cases, in Part II of this Title V permit, all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this General Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this General Term and Condition.

See B.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

iii. **All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted in the following manner:**

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; General Terms and Conditions: A.2, A.3, A.4, A.6.e, A.7, A.12, A.14, A.18, A.19, A.20, and A.22 of Part I of this Title V permit, as well as any deviations from the requirements in Section A.V or A.VI of Part III of this Title V permit**,** and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and

Condition A.1.c.ii above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in Part II.A of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with General Term and Condition A.1.c.ii above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

v. 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))

2. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance 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). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in General Term and Condition A.1.c.i above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a. a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b. as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management 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.

f. Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable upon final issuance of all applicable OAC Chapter 3745-35 operating permits and/or registrations for all subject emissions units located at the facility and:

   i. the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a “major source” as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

   ii. the permittee no longer meets the definition of a “major source” as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

   iii. a combination of i. and ii. above.

   The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.
   (Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(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 (i.e., postmarked) 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 emissions 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.

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.
(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 or Emissions Levels

Each IEU 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))

21. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-01)

22. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

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 (i) 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, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

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 <u>Federally Enforceable</u> Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations

occurred during that quarter. The reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a. where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in General Term and Condition A.1.c.ii; or

b. where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c. where the company's responsible official has certified that an emissions unit has been permanently shut down.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforceable Section

1. The emissions of hazardous air pollutants (HAP) from this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall not exceed 9.9 tons per year for any single HAP and 24.9 tons per year for any combination of HAPs.

2. The individual HAP and total HAP, combined, emission rates for all emissions units at the facility shall not exceed 9.9 and 24.9 tons per year, respectively, based upon a rolling, 12-month summation of emission rates. To ensure enforceability during the first 12 calendar months of operation following the effective date of this permit, the permittee shall not exceed the usage levels for all emissions units at the facility specified in the following table:

.	Total HAP Combined Emissions (Tons)	Individual HAP Emissions (Tons)	Month(s)	Emissions (Tons)
1	4	1.5		
1-2	8	3		
1-3	12	4.5		
1-4	16	6		
1-5	20	7.5		
1-6	24	9		
1-7	24.9	9.9		
1-8	24.9	9.9		
1-9	24.9	9.9		
1-10	24.9	9.9		
1-11	24.9	9.9		
1-12	24.9	9.9		

After the first 12 calendar months of operation following the effective date of this permit, compliance with the individual HAP and total HAP combined, emission limitations for all emissions units at the facility shall be based upon a rolling, 12-month summation of the monthly usage emission figures.

3. The permittee shall maintain the following monthly records:

a. the monthly individual HAP emissions from the facility;

b. the monthly total HAP, combined, emissions from the facility;

c. beginning after the first 12 calendar months of operation after the effective date of this permit, the rolling, 12-month summation of individual HAP emissions from the facility, in tons;

d. beginning after the first 12 calendar months of operation after the effective date of this permit, the rolling, 12-month summation of total HAP, combined, emissions from the facility, in tons;

e. during the first 12 calendar months of operation following the effective date of this permit, the permittee shall record the cumulative individual HAP emissions from the facility for each calendar month; and

f. during the first 12 calendar months of operation following the effective date of this permit, the permittee shall record the cumulative total HAP, combined, emissions from the facility for each calendar month.

A. State and Federally Enforceable Section (continued)

4. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that identify:

a. all exceedances of the rolling, 12-month emission limitation for individual HAP from the facility and, for the first 12 calendar months of operation following the effective date of this permit, all exceedances of the maximum allowable cumulative emission levels;

b. all exceedances of the rolling, 12-month emission limitation for total HAP, combined, from the facility and, for the first 12 calendar months of operation following the effective date of this permit, all exceedances of the maximum allowable cumulative emission levels;

c. the probable cause of such deviations; and

d. any corrective actions or preventive measures taken.

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

5. 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.

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

B001 - boiler #1;
T001 - tank #1;
T002 - tank #2 (PTI 04-1021);
T003 - tank #3 (PTI 04-1021); 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 the identified permit to install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the SIP-approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21.

B. State Only Enforceable Section

None

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paint spray booth #3 with particulate control by dry filtration	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)	Particulate emissions shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, emissions of organic materials shall not exceed 40 pounds per day and 8 pounds per hour 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, the volatile organic compounds (VOC) content shall not exceed 4.3 pounds 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, the VOC content shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for any extreme performance coating used for the metal parts.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-21-09(U)(1)(d)	On any day when coating metal parts, the VOC content shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for coatings that are dried at temperatures not exceeding 200 degrees Fahrenheit used for the metal parts.
	OAC rule 3745-21-09(U)(1)(i)	On any day when coating metal parts, the VOC content shall not exceed 3.0 pounds per gallon of coating, excluding water and exempt solvents, for any coating that is not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 and used for the metal parts.
Line 3 convection bake oven #3, natural gas, direct-fired, 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, emissions of organic materials shall not exceed 15 pounds per day and 3 pounds per hour from oven #3 for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

2.a The definitions for clear coating and extreme performance coating are contained in OAC rule 3745-21-01(D).

II. Operational Restrictions

1. The permittee shall operate the dry particulate filtration system when the paint spray booth is in operation.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the dry particulate filtration system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

3. On each day when coating non-metal parts during which 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 name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. the name and identification number of each photochemically reactive cleanup material employed;

f. the number of gallons of each photochemically reactive cleanup material employed;

g. the organic compound content of each photochemically reactive cleanup material employed;

h. the total organic compound emission rate for all photochemically reactive cleanup materials (the summation of (f)x(g) for each photochemically reactive cleanup material), in pounds per day;

i. On each day during which all coatings employed are baked, heat-cured, or heat-polymerized in the Oven #3:

. i. the total uncontrolled organic compound emission rate from the spray booth stack for all coatings, in pounds per day. The total daily uncontrolled organic compound emission rate shall be calculated using the total potential daily organic compound emission rate from the paint spray booth for all coatings (d) multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.6 of this permit), in pounds per day.

. ii. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials (3.i.i)+(3.h), in pounds per day;

. iii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iv. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (3.i.ii)/(3.i.iii), in pounds per hour (average); and

j. On each day when any of the coatings employed are not baked, heat-cured, or heat-polymerized in the Oven #3:

. i. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials shall be calculated as (d)+(h) pounds per day;

. ii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iii. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (3.j.i)/(3.j.ii), in pounds per hour (average).

[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).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

4. On each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in Oven #3, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. 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 (d), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.6 of this permit), in pounds per day;

f. the total number of hours Oven #3 was in operation (this number should be the same as the actual number of hours spray booth #3 was in operation); and

g. the average hourly organic compound emission rate from the oven, i.e., (e)/(f), in pounds per hour (average).

[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).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

5. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:

a. the name, coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09) and identification number of each coating, as applied;

b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and

c. the daily volume-weighted average VOC content of all coatings for each coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09), as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2, in pounds of VOC per gallon of coating as applied.

[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.]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

6. 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 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

7. The permittee shall collect and record daily the following information for purposes of determining the total annual emissions from this emissions unit:

a. the company identification for each coating employed;

b. the number of gallons of each coating employed;

c. the organic compound and individual HAP content of each coating, in pounds per gallon;

d. the total organic compound emission rate for all coatings (b)x(c), in pounds per day;

e. the total individual HAP emission rate for all coatings (b)x(c) for each HAP, in pounds per day;

f. the company identification for each cleanup material employed;

g. the number of gallons of each cleanup material employed;

h. the organic compound and individual HAP content of each cleanup material employed, in pounds per gallon;

i. the total organic compound emission rate for all cleanup material employed (g)x(h), in pounds per day;

j. the total individual HAP emission rate for all cleanup material employed (g)x(h) for each HAP, in pounds per day;

k. the total organic compound emission rate for this emissions unit calculated as the summation of the organic compound emissions rates from all coatings and cleanup materials, (d)+(i), in pounds per day; and

l. the total individual HAP emission rate for this emissions unit calculated as the summation of the individual HAP emissions rates from all coatings and cleanup materials, (e)+(j), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

8. The permittee shall collect and record monthly the following information for purposes of determining the total annual emissions from this emissions unit:

a. the monthly total organic compound emission rate for this emissions unit calculated as the monthly summation of the total organic compound emissions rates in section A.III.7.k above, in pounds per day;

b. the monthly total individual HAP emission rate for this emissions unit calculated as the monthly summation of the individual HAP emissions rates in section A.III.7.l above, in pounds per day;

c. the monthly total HAP emission rate for this emissions unit calculated as a monthly summation of the individual HAP emissions rates (b) above, in pounds per day;

d. the rolling, 12-month total organic compound emission rate for this emissions unit calculated as a summation of the total organic compound emissions rates in (a) above, in tons per year;

e. the rolling, 12-month total individual HAP emission rate for this emissions unit calculated as a summation of the individual HAP emissions rates in (b) above, in tons per year; and

f. the rolling, 12-month total HAP emission rate for this emissions unit calculated as a summation of the HAP emissions rates (c) above, in tons per year.

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that include the following information:

a. identification of each daily record showing that the dry filtration system controlling the paint spray was not in service when the emissions unit was in operation;

b. identification of each day when coating non-metal parts during which a photochemically reactive material was employed and:

. i. the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour. The report shall also include the actual average hourly controlled organic compound emissions for each such day (as calculated in section A.III.3.i.iv or A.III.3.j.iii of this permit); and/or

. ii. the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day (as calculated in section A.III.3.i.ii or section A.III.3.j.i of this permit). The report shall also include the actual organic compound emissions for each such day; and

IV. Reporting Requirements (continued)

c. identification of each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in an oven and:

. i. the average hourly organic compound emissions from the oven for such non-metal parts exceeded 3 pounds per hour (as calculated in section A.III.4.g). The report shall also include the actual average hourly organic compound emissions for each such day; and

. ii. the organic compound emissions from the oven for such non-metal parts exceeded 15 pounds per day (as calculated in section A.III.4.e). The report shall also include the actual organic compound emissions for each such day.

These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the volume-weighted average VOC content:

a. 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 (as calculated in section A.III.5.c);

b. for any extreme performance coatings used for metal parts exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.5.c);

c. for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.5.c); and

d. for any other coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts exceeded the applicable limitation of 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.5.c).

The notification shall include a copy of each such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

The permittee shall also submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that summarize the information above. These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future. These written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter (i.e., January-March, April-June, July-September, and October-December). If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during that quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

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).

[Authority for term: OAC rule 3745-17-03(B)(1)]

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

E = (M) (1-TE) (1-CE)

where:

E = particulate emission rate (lbs/hr);

M = maximum coating solids usage rate (lbs/hr);

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used; and

CE = control efficiency of the control equipment.

If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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).

[Authority for term: OAC rule 3745-17-03(B)(10)]

V. Testing Requirements (continued)

1.c Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day for each unit, as specified in section A.III of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth.

[Authority for term: OAC rule 3745-21-10]

1.d Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.5. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.e Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any for any extreme performance coatings used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.5. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

1.f Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.5. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.g Emission Limitation:

3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.5. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.h Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day, as specified in section A.III.4. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-21-10]

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paint spray booth #4-1 - electrostatic powder spray booth with particulate control by dry filtration, and paint spray booth #4-2 - liquid paint manual spray booth with particulate control by dry filtration	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)	Particulate emissions shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts, emissions of organic materials shall not exceed 40 pounds per day and 8 pounds per hour 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.
Line 4 convection bake oven #4, natural gas, direct-fired, 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, emissions of organic materials shall not exceed 15 pounds per day and 3 pounds per hour 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 associated fabric filter when spray booth #4-1 is in operation.

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

2. The permittee shall operate the associated dry filtration system when spray booth #4-2 is in operation.

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

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when paint spray booth #4-2 was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

4. On each day when coating non-metal parts during which 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 name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. the name and identification number of each photochemically reactive cleanup material employed;

f. the number of gallons of each photochemically reactive cleanup material employed;

g. the organic compound content of each photochemically reactive cleanup material employed;

h. the total organic compound emission rate for all photochemically reactive cleanup materials (the summation of (f)x(g) for each photochemically reactive cleanup material), in pounds per day;

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

i. On each day during which all coatings employed are baked, heat-cured, or heat-polymerized in the Oven #4:

. i. the total uncontrolled organic compound emission rate from the spray booth stack for all coatings, in pounds per day. The total daily uncontrolled organic compound emission rate shall be calculated using the total potential daily organic compound emission rate from the paint spray booth for all coatings (d) multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.7 of this permit), in pounds per day.

. ii. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials (4.i.i)+(4.h), in pounds per day;

. iii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iv. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (4.i.ii)/(4.i.iii), in pounds per hour (average); and

j. On each day when any of the coatings employed are not baked, heat-cured, or heat-polymerized in the Oven #4:

. i. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials shall be calculated as (d)+(h) pounds per day;

. ii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iii. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (4.j.i)/(4.j.ii), in pounds per hour (average).

[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.3 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

5. On each day when coating non-metal parts during which 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:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. 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 (d), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.7 of this permit), in pounds per day;

f. the total number of hours Oven #4 was in operation (this number should be the same as the actual number of hours that spray booths #4-1 and #4-2 were in operation); and

g. the average hourly organic compound emission rate from the oven, i.e., (e)/(f), in pounds per hour (average).

[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.3 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

6. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:

a. the name, coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09) and identification number of each coating, as applied;

b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and

c. the total volume, in gallons, of all coatings employed.

[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.]

[Authority for term: OAC rule 3745-77-07(C)(1)]

7. 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 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 cross-linked coatings performed on July 12, 2001.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

8. The permittee shall collect and record daily the following information for purposes of determining the total annual emissions from this emissions unit:

a. the company identification for each coating employed;

b. the number of gallons of each coating employed;

c. the organic compound and individual HAP content of each coating, in pounds per gallon;

d. the total organic compound emission rate for all coatings (b)x(c), in pounds per day;

e. the total individual HAP emission rate for all coatings (b)x(c) for each HAP, in pounds per day;

f. the company identification for each cleanup material employed;

g. the number of gallons of each cleanup material employed;

h. the organic compound and individual HAP content of each cleanup material employed, in pounds per gallon;

i. the total organic compound emission rate for all cleanup material employed (g)x(h), in pounds per day;

j. the total individual HAP emission rate for all cleanup material employed (g)x(h) for each HAP, in pounds per day;

k. the total organic compound emission rate for this emissions unit calculated as the summation of the organic compound emissions rates from all coatings and cleanup materials, (d)+(i), in pounds per day; and

l. the total individual HAP emission rate for this emissions unit calculated as the summation of the individual HAP emissions rates from all coatings and cleanup materials, (e)+(j), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1)]

9. The permittee shall collect and record monthly the following information for purposes of determining the total annual emissions from this emissions unit:

a. the monthly total organic compound emission rate for this emissions unit calculated as the monthly summation of the total organic compound emissions rates in section A.III.8.k above, in pounds per day;

b. the monthly total individual HAP emission rate for this emissions unit calculated as the monthly summation of the individual HAP emissions rates in section A.III.8.l above, in pounds per day;

c. the monthly total HAP emission rate for this emissions unit calculated as a monthly summation of the individual HAP emissions rates (b) above, in pounds per day;

d. the rolling, 12-month total organic compound emission rate for this emissions unit calculated as a summation of the total organic compound emissions rates in (a) above, in tons per year;

e. the rolling, 12-month total individual HAP emission rate for this emissions unit calculated as a summation of the individual HAP emissions rates in (b) above, in tons per year; and

f. the rolling, 12-month total HAP emission rate for this emissions unit calculated as a summation of the HAP emissions rates (c) above, in tons per year.

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that include the following information:

a. identification of each daily record showing that the fabric filter controlling the paint spray booth #4-1 was not in service when the emissions unit was in operation;

b. identification of each daily record showing that the dry filtration system controlling the paint spray booth #4-2 was not in service when the emissions unit was in operation;

c. identification of each day when coating non-metal parts during which a photochemically reactive material was employed and:

. i. the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour. The report shall also include the actual average hourly controlled organic compound emissions for each such day (as calculated in section A.III.4.i.iv or A.III.4.j.iii of this permit); and/or

. ii. the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day (as calculated in section A.III.4.i.ii or section A.III.4.j.i of this permit). The report shall also include the actual organic compound emissions for each such day; and

d. identification of each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in an oven and:

. i. the average hourly organic compound emissions from the oven for such non-metal parts exceeded 3 pounds per hour (as calculated in section A.III.5.g). The report shall also include the actual average hourly organic compound emissions for each such day; and

. ii. the organic compound emissions from the oven for such non-metal parts exceeded 15 pounds per day (as calculated in section A.III.5.e). The report shall also include the actual organic compound emissions for each such day.

These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the coating line employs more than 10 gallons per day to metal parts (as recorded in section A.III.6.c).

The notification shall include a copy of each such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

The permittee shall also submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that summarize the information above. These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future. These written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter (i.e., January-March, April-June, July-September, and October-December). If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during that quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

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).

[Authority for term: OAC rule 3745-17-03(B)(1)]

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

E = (M) (1-TE) (1-CE)

where:

E = particulate emission rate (lbs/hr);

M = maximum coating solids usage rate (lbs/hr);

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used; and

CE = control efficiency of the control equipment.

If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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).

[Authority for term: OAC rule 3745-17-03(B)(10)]

V. Testing Requirements (continued)

1.c Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day for each unit, as specified in section A.III of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth.

[Authority for term: OAC rule 3745-21-10]

1.d Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day, as specified in section A.III.5. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-21-10]

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paint spray booth #1-1 with particulate control by dry filtration, and equipped with VOC control by activated carbon adsorption	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)	Particulate emissions shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is not in use at all times for the control of organic compound (OC) emissions, emissions of OC shall not exceed 40 pounds per day and 8 pounds per hour from the paint spray booth for the coatings and photochemically reactive cleanup materials used for the non-metal parts. On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is used at all times for OC control, the emissions of OC from the paint spray booth shall be reduced by at least eighty-five percent (85%), by weight, as an overall control efficiency.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, emissions of VOC shall not exceed 4.3 pounds per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts. See section A.I.2.a
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for an extreme performance coating used for the metal parts. See section A.I.2.a.
	OAC rule 3745-21-09(U)(1)(d)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for coatings that are dried at temperatures not exceeding 200 degrees Fahrenheit and used for the metal parts.
	OAC rule 3745-21-09(U)(1)(i)	On any day when coating metal parts, emissions of VOC shall not exceed 3.0 pounds per gallon of coating, excluding water and exempt solvents, for any coating that is not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09.
Line 1 Prime Bake Oven natural gas, direct-fired, 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, emissions of OC shall not exceed 15 pounds per day and 3 pounds per hour from the oven for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

2.a The definitions for clear coating and extreme performance coating are contained in OAC rule 3745-21-01(D).

II. Operational Restrictions

1. The permittee shall operate the dry filtration system when the paint spray booth is in operation.

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

II. Operational Restrictions (continued)

2. On any day during which the activated carbon adsorption system is utilized to comply with the overall control efficiency requirement for OC, all emissions from the spray booth shall be vented to the carbon adsorber.

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

3. The permittee shall replace the first bank of activated carbon canisters on any day during which the retention of OC emissions (degree of saturation) is calculated to exceed 70% of the activity level for the activated carbon in the first bank of canisters.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall maintain daily records that document any time periods when the activated carbon control system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permittee shall monitor and record on a daily basis the total quantity of OC emissions vented to the carbon adsorption system. The permittee shall calculate and record on a daily basis the degree of saturation, as a percentage of the activity level, for the activated carbon in the first bank of canisters. The degree of saturation shall be calculated as a summation of the daily weights of OC emissions directed to the adsorption system since the last adsorber replacement, divided by the weight of OC emissions adsorbed by the amount of activated carbon in the first bank of canisters at saturation. The amount of OC emissions adsorbed by the first bank of canisters at saturation shall be calculated by multiplying the activity level, in pounds of OC adsorbed per pound of activated carbon, by the weight of activated carbon in the first bank of canisters.

[Authority for term: OAC rule 3745-77-07(C)(1)]

4. The permittee shall record the time and date of each carbon adsorber replacement and the calculated value of the retention of OC emissions (degree of saturation), as a percentage of the activity level as calculated above, immediately prior to replacement.

The permittee shall maintain records, supplied by the activated carbon manufacturer or vendor, that specify the activity level for each shipment of activated carbon purchased.

[Authority for term: OAC rule 3745-77-07(C)(1)]

5. 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

6. On each day when coating non-metal parts during which a photochemically reactive material is employed as a coating and/or cleanup material and the activated carbon unit is not used at all times, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. the name and identification number of each photochemically reactive cleanup material employed;

f. the number of gallons of each photochemically reactive cleanup material employed;

g. the organic compound content of each photochemically reactive cleanup material employed;

h. the total organic compound emission rate for all photochemically reactive cleanup materials (the summation of (f) x (g)) for each photochemically reactive cleanup material), in pounds per day;

i. On each day during which all coatings employed are baked, heat-cured, or heat-polymerized in the Line 1 Prime Bake Oven:

. i. the total uncontrolled organic compound emission rate from the spray booth stack for all coatings, in pounds per day. The total daily uncontrolled organic compound emission rate shall be calculated using the total potential daily organic compound emission rate from the paint spray booth for all coatings (d) multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.9 of this permit), in pounds per day.

. ii. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials (6.i.i)+(6.h), in pounds per day;

. iii. the total number of hours the emissions unit was in operation for such non-metal parts;

. iv. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.i.ii)/(6.i.iii), in pounds per hour (average); and

j. On each day when any of the coatings employed are not baked, heat-cured, or heat-polymerized in the Line 1 Prime Bake Oven:

. i. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials shall be calculated as (d)+(h), in pounds per day;

. ii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iii. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.j.i)/(6.j.ii), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

7. On each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in the Line 1 Prime Bake Oven, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. 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 (d), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.9 of this permit), in pounds per day;

f. the total number of hours the Line 1 Prime Bake Oven was in operation (this number should be the same as the actual number of hours spray booth #1-1 and/or spray booth #1-2 were in operation); and

g. the average hourly organic compound emission rate from the oven, i.e., (e)/(f), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

8. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:

a. the name, coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, or coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09) and identification number of each coating, as applied;

b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and

c. the daily volume-weighted average VOC content of all coatings for each coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09), as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2, in pounds of VOC per gallon of coating as applied.

[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.4 of this permit.]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

9. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined, during the most recent emission test which demonstrated compliance (uncontrolled emissions), to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-77-07(C)(1)]

10. The permittee shall collect and record daily the following information for purposes of determining the total annual emissions from this emissions unit:

a. the company identification for each coating employed;

b. the number of gallons of each coating employed;

c. the organic compound and individual HAP content of each coating, in pounds per gallon;

d. the total organic compound emission rate for all coatings (b)x(c), in pounds per day;

e. the total individual HAP emission rate for all coatings (b)x(c) for each HAP, in pounds per day;

f. for each day during which the activated carbon unit is in operation at all times and:

. i. on any day in which the oven is in use, the total organic compound rate sent to the control device for all coatings, in pounds per day, calculated as the total organic compound emissions rate for all coatings (d), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. ii. on any day in which the oven is in use, the total individual HAPs rate sent to the control device for all coatings, in pounds per day, calculated as the total individual HAP emissions rate for all coatings (e), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. iii. the calculated organic compound rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total organic compound emission rate for all coatings (d) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. (b) on any day in which the oven is used; the total organic compound rate sent to the control device for all coatings (10.f.i) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. iv. the calculated individual HAP rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total individual HAP rate for all coatings (e) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance; or

. (b) on any day in which the oven is used; the total individual HAP rate sent to the control device for all coatings (10.f.ii) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

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

g. the company identification for each cleanup material employed;

h. the number of gallons of each cleanup material employed;

i. the organic compound and individual HAP content of each cleanup material employed, in pounds per gallon;

j. the total organic compound emission rate for all cleanup material employed (h)x(i), in pounds per day;

k. the total individual HAP emission rate for all cleanup material employed (h)x(i) for each HAP, in pounds per day;

l. the total organic compound emission rate for this emissions unit calculated as the summation of the organic compound emissions rates from all coatings and cleanup materials, less the calculated organic compound rate of control, (d) + (j) - (10.f.iii), in pounds per day; and

m. the total individual HAP emission rate for this emissions unit calculated as the summation of the individual HAP emissions rates from all coatings and cleanup materials, less the calculated individual HAP rate of control, (e) + (k) - (10.f.iv), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1)]

11. The permittee shall collect and record monthly the following information for purposes of determining the total annual emissions from this emissions unit:

a. the monthly total organic compound emission rate for this emissions unit calculated as the monthly summation of the total organic compound emissions rates in section A.III.10.l above, in pounds per day;

b. the monthly total individual HAP emission rate for this emissions unit calculated as the monthly summation of the individual HAP emissions rates in section A.III.10.m above, in pounds per day;

c. the monthly total HAP emission rate for this emissions unit calculated as a monthly summation of the individual HAP emissions rates (b) above, in pounds per day;

d. the rolling, 12-month total organic compound emission rate for this emissions unit calculated as a summation of the total organic compound emissions rates in (a) above, in tons per year;

e. the rolling, 12-month total individual HAP emission rate for this emissions unit calculated as a summation of the individual HAP emissions rates in (b) above, in tons per year; and

f. the rolling, 12-month total HAP emission rate for this emissions unit calculated as a summation of the HAP emissions rates (c) above, in tons per year;

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that include the following information:

a. identification of each daily record showing that the dry filtration system controlling the paint spray was not in service when the emissions unit was in operation;

b. identification of each daily record showing that the degree of saturation of the activated carbon immediately prior to adsorber replacement, exceeded 70% of the activity level established as a site-specific parameter;

c. identification of each day when coating non-metal parts during which a photochemically reactive material was employed and the activated carbon adsorption system was not in use at all times and:

. i. the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour. The report shall also include the actual average hourly controlled organic compound emissions for such day (as calculated in section A.III.6.i.iv or A.III.6.j.iii of this permit); and/or

. ii. the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day (as calculated in section A.III.6.i.ii or section A.III.6.j.i of this permit). The report shall also include the actual organic compound emissions for each such day; and

d. identification of each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in an oven and:

. i. the average hourly organic compound emissions from the oven for such non-metal parts exceeded 3 pounds per hour (as calculated in section A.III.7.g). The report shall also include the actual average hourly organic compound emissions for each such day; and

. ii. the organic compound emissions from the oven for such non-metal parts exceeded 15 pounds per day (as calculated in section A.III.7.e). The report shall also include the actual organic compound emissions for each such day.

These deviation reports reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that, the volume-weighted average VOC content:

a. 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 (as calculated in section A.III.8.c);

b. for any extreme performance coatings used for metal parts exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c);

c. for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c); and

d. for any other coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts exceeded the applicable limitation of 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c).

IV. Reporting Requirements (continued)

The notification shall include a copy of each such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

The permittee shall also submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that summarize the information above. These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future. These written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter (i.e., January-March, April-June, July-September, and October-December). If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during that quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

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).

[Authority for term: OAC rule 3745-17-03(B)(1)]

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

E = (M) (1-TE) (1-CE)

where:

E = particulate emission rate (lbs/hr);

M = maximum coating solids usage rate (lbs/hr);

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used; and

CE = control efficiency of the control equipment.

If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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).

[Authority for term: OAC rule 3745-17-03(B)(10)]

V. Testing Requirements (continued)

1.c Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day for each unit, as specified in section A.III of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth.

[Authority for term: OAC rule 3745-21-10]

1.d Emission Limitation:

85% by weight reduction of organic materials
Applicable Compliance Method:

If required, compliance with the overall control efficiency limitation shall be demonstrated based upon the following emission testing for capture and control efficiencies:

i. the capture efficiency shall be determined using the Method 204 series, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement); and

ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with Method 25 or 25A, as appropriate, of 40 CFR Part 60, Appendix A and methods and procedures specified in OAC rule 3745-21-10(C). The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

1.e Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.f Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any extreme performance coatings used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.g Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

1.h Emission Limitation:

3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.i Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day, as specified in section A.III.7. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months of issuance of this permit to demonstrate compliance with the overall control efficiency limitations for OC/VOC , to determine the booth/oven "split", and to demonstrate the performance of the continuous organic monitoring device.

b. The emission testing shall be conducted within 6 months prior to permit expiration to demonstrate compliance with the performance of the continuous organic monitoring device.

c. The test method(s) which must be employed to demonstrate compliance with the overall control efficiency limitation for OC/VOC and the booth/oven "split" are specified below:

. i. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. The booth/oven "split" is determined by the capture efficiency. The percent of emissions captured are the uncontrolled emissions emitted from the booth, and the percent of emissions not captured are assumed to be emitted by the oven.

. ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with the methods and procedures specified in OAC rule 3745-21-10 . The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

. iii. the performance of the continuous organic monitoring device shall be demonstrated using the methods and procedures specified in Performance Specification 8 or 9 of 40 CFR Part 60, Appendix B.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Services's refusal to accept the results of the emission test(s).

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paint spray booth #1-2 with particulate control by dry filtration, and equipped with VOC control by activated carbon adsorption	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)	Particulate emissions shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is not in use at all times for the control of organic compound (OC) emissions, emissions of OC shall not exceed 40 pounds per day and 8 pounds per hour from the paint spray booth for the coatings and photochemically reactive cleanup materials used for the non-metal parts. On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is used at all times for OC control, the emissions of OC from the paint spray booth shall be reduced by at least eighty-five percent (85%), by weight, as an overall control efficiency.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, emissions of VOC shall not exceed 4.3 pounds per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts. See section A.I.2.a
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for an extreme performance coating used for the metal parts. See section A.I.2.a.
	OAC rule 3745-21-09(U)(1)(d)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for coatings that are dried at temperatures not exceeding 200 degrees Fahrenheit and used for the metal parts.
	OAC rule 3745-21-09(U)(1)(i)	On any day when coating metal parts, emissions of VOC shall not exceed 3.0 pounds per gallon of coating, excluding water and exempt solvents, for any coating that is not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09.
Line 1 Prime Bake Oven natural gas, direct-fired, 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, emissions of OC shall not exceed 15 pounds per day and 3 pounds per hour from the oven for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

2.a The definitions for clear coating and extreme performance coating are contained in OAC rule 3745-21-01(D).

II. Operational Restrictions

1. The permittee shall operate the dry filtration system when the paint spray booth is in operation.

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

II. Operational Restrictions (continued)

2. On any day during which the activated carbon adsorption system is utilized to comply with the overall control efficiency requirement for OC, all emissions from the spray booth shall be vented to the carbon adsorber.

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

3. The permittee shall replace the first bank of activated carbon canisters on any day during which the retention of OC emissions (degree of saturation) is calculated to exceed 70% of the activity level for the activated carbon in the first bank of canisters.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall maintain daily records that document any time periods when the activated carbon control system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permittee shall monitor and record on a daily basis the total quantity of OC emissions vented to the carbon adsorption system. The permittee shall calculate and record on a daily basis the degree of saturation, as a percentage of the activity level, for the activated carbon in the first bank of canisters. The degree of saturation shall be calculated as a summation of the daily weights of OC emissions directed to the adsorption system since the last adsorber replacement, divided by the weight of OC emissions adsorbed by the amount of activated carbon in the first bank of canisters at saturation. The amount of OC emissions adsorbed by the first bank of canisters at saturation shall be calculated by multiplying the activity level, in pounds of OC adsorbed per pound of activated carbon, by the weight of activated carbon in the first bank of canisters.

[Authority for term: OAC rule 3745-77-07(C)(1)]

4. The permittee shall record the time and date of each carbon adsorber replacement and the calculated value of the retention of OC emissions (degree of saturation), as a percentage of the activity level as calculated above, immediately prior to replacement.

The permittee shall maintain records, supplied by the activated carbon manufacturer or vendor, that specify the activity level for each shipment of activated carbon purchased.

[Authority for term: OAC rule 3745-77-07(C)(1)]

5. 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

6. On each day when coating non-metal parts during which a photochemically reactive material is employed as a coating and/or cleanup material and the activated carbon unit is not used at all times, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. the name and identification number of each photochemically reactive cleanup material employed;

f. the number of gallons of each photochemically reactive cleanup material employed;

g. the organic compound content of each photochemically reactive cleanup material employed;

h. the total organic compound emission rate for all photochemically reactive cleanup materials (the summation of (f) x (g)) for each photochemically reactive cleanup material), in pounds per day;

i. On each day during which all coatings employed are baked, heat-cured, or heat-polymerized in the Line 1 Prime Bake Oven:

. i. the total uncontrolled organic compound emission rate from the spray booth stack for all coatings, in pounds per day. The total daily uncontrolled organic compound emission rate shall be calculated using the total potential daily organic compound emission rate from the paint spray booth for all coatings (d) multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.9 of this permit), in pounds per day.

. ii. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials (6.i.i)+(6.h), in pounds per day;

. iii. the total number of hours the emissions unit was in operation for such non-metal parts;

. iv. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.i.ii)/(6.i.iii), in pounds per hour (average); and

j. On each day when any of the coatings employed are not baked, heat-cured, or heat-polymerized in the Line 1 Prime Bake Oven:

. i. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials shall be calculated as (d)+(h), in pounds per day;

. ii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iii. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.j.i)/(6.j.ii), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

7. On each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in the Line 1 Prime Bake Oven, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. 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 (d), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.9 of this permit), in pounds per day;

f. the total number of hours the Line 1 Prime Bake Oven was in operation (this number should be the same as the actual number of hours spray booth #1-1 and/or spray booth #1-2 were in operation); and

g. the average hourly organic compound emission rate from the oven, i.e., (e)/(f), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

8. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:

a. the name, coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, or coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09) and identification number of each coating, as applied;

b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and

c. the daily volume-weighted average VOC content of all coatings for each coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09), as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2, in pounds of VOC per gallon of coating as applied.

[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.4 of this permit.]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

9. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined, during the most recent emission test which demonstrated compliance (uncontrolled emissions), to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-77-07(C)(1)]

10. The permittee shall collect and record daily the following information for purposes of determining the total annual emissions from this emissions unit:

a. the company identification for each coating employed;

b. the number of gallons of each coating employed;

c. the organic compound and individual HAP content of each coating, in pounds per gallon;

d. the total organic compound emission rate for all coatings (b)x(c), in pounds per day;

e. the total individual HAP emission rate for all coatings (b)x(c) for each HAP, in pounds per day;

f. for each day during which the activated carbon unit is in operation at all times and:

. i. on any day in which the oven is in use, the total organic compound rate sent to the control device for all coatings, in pounds per day, calculated as the total organic compound emissions rate for all coatings (d), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. ii. on any day in which the oven is in use, the total individual HAPs rate sent to the control device for all coatings, in pounds per day, calculated as the total individual HAP emissions rate for all coatings (e), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. iii. the calculated organic compound rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total organic compound emission rate for all coatings (d) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. (b) on any day in which the oven is used; the total organic compound rate sent to the control device for all coatings (10.f.i) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. iv. the calculated individual HAP rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total individual HAP rate for all coatings (e) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance; or

. (b) on any day in which the oven is used; the total individual HAP rate sent to the control device for all coatings (10.f.ii) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

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

g. the company identification for each cleanup material employed;

h. the number of gallons of each cleanup material employed;

i. the organic compound and individual HAP content of each cleanup material employed, in pounds per gallon;

j. the total organic compound emission rate for all cleanup material employed (h)x(i), in pounds per day;

k. the total individual HAP emission rate for all cleanup material employed (h)x(i) for each HAP, in pounds per day;

l. the total organic compound emission rate for this emissions unit calculated as the summation of the organic compound emissions rates from all coatings and cleanup materials, less the calculated organic compound rate of control, (d) + (j) - (10.f.iii), in pounds per day; and

m. the total individual HAP emission rate for this emissions unit calculated as the summation of the individual HAP emissions rates from all coatings and cleanup materials, less the calculated individual HAP rate of control, (e) + (k) - (10.f.iv), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1)]

11. The permittee shall collect and record monthly the following information for purposes of determining the total annual emissions from this emissions unit:

a. the monthly total organic compound emission rate for this emissions unit calculated as the monthly summation of the total organic compound emissions rates in section A.III.10.l above, in pounds per day;

b. the monthly total individual HAP emission rate for this emissions unit calculated as the monthly summation of the individual HAP emissions rates in section A.III.10.m above, in pounds per day;

c. the monthly total HAP emission rate for this emissions unit calculated as a monthly summation of the individual HAP emissions rates (b) above, in pounds per day;

d. the rolling, 12-month total organic compound emission rate for this emissions unit calculated as a summation of the total organic compound emissions rates in (a) above, in tons per year;

e. the rolling, 12-month total individual HAP emission rate for this emissions unit calculated as a summation of the individual HAP emissions rates in (b) above, in tons per year; and

f. the rolling, 12-month total HAP emission rate for this emissions unit calculated as a summation of the HAP emissions rates (c) above, in tons per year;

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that include the following information:

a. identification of each daily record showing that the dry filtration system controlling the paint spray was not in service when the emissions unit was in operation;

b. identification of each daily record showing that the degree of saturation of the activated carbon immediately prior to adsorber replacement, exceeded 70% of the activity level established as a site-specific parameter;

c. identification of each day when coating non-metal parts during which a photochemically reactive material was employed and the activated carbon adsorption system was not in use at all times and:

. i. the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour. The report shall also include the actual average hourly controlled organic compound emissions for such day (as calculated in section A.III.6.i.iv or A.III.6.j.iii of this permit); and/or

. ii. the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day (as calculated in section A.III.6.i.ii or section A.III.6.j.i of this permit). The report shall also include the actual organic compound emissions for each such day; and

d. identification of each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in an oven and:

. i. the average hourly organic compound emissions from the oven for such non-metal parts exceeded 3 pounds per hour (as calculated in section A.III.7.g). The report shall also include the actual average hourly organic compound emissions for each such day; and

. ii. the organic compound emissions from the oven for such non-metal parts exceeded 15 pounds per day (as calculated in section A.III.7.e). The report shall also include the actual organic compound emissions for each such day.

These deviation reports reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that, the volume-weighted average VOC content:

a. 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 (as calculated in section A.III.8.c);

b. for any extreme performance coatings used for metal parts exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c);

c. for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c); and

d. for any other coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts exceeded the applicable limitation of 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c).

IV. Reporting Requirements (continued)

The notification shall include a copy of each such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

The permittee shall also submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that summarize the information above. These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future. These written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter (i.e., January-March, April-June, July-September, and October-December). If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during that quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

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).

[Authority for term: OAC rule 3745-17-03(B)(1)]

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

E = (M) (1-TE) (1-CE)

where:

E = particulate emission rate (lbs/hr);

M = maximum coating solids usage rate (lbs/hr);

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used; and

CE = control efficiency of the control equipment.

If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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).

[Authority for term: OAC rule 3745-17-03(B)(10)]

V. Testing Requirements (continued)

1.c Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day for each unit, as specified in section A.III of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth.

[Authority for term: OAC rule 3745-21-10]

1.d Emission Limitation:

85% by weight reduction of organic materials
Applicable Compliance Method:

If required, compliance with the overall control efficiency limitation shall be demonstrated based upon the following emission testing for capture and control efficiencies:

i. the capture efficiency shall be determined using the Method 204 series, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement); and

ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with Method 25 or 25A, as appropriate, of 40 CFR Part 60, Appendix A and methods and procedures specified in OAC rule 3745-21-10(C). The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

1.e Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.f Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any extreme performance coatings used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.g Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

1.h Emission Limitation:

3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.i Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day, as specified in section A.III.7. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months of issuance of this permit to demonstrate compliance with the overall control efficiency limitations for OC/VOC , to determine the booth/oven "split", and to demonstrate the performance of the continuous organic monitoring device.

b. The emission testing shall be conducted within 6 months prior to permit expiration to demonstrate compliance with the performance of the continuous organic monitoring device.

c. The test method(s) which must be employed to demonstrate compliance with the overall control efficiency limitation for OC/VOC and the booth/oven "split" are specified below:

. i. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. The booth/oven "split" is determined by the capture efficiency. The percent of emissions captured are the uncontrolled emissions emitted from the booth, and the percent of emissions not captured are assumed to be emitted by the oven.

. ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with the methods and procedures specified in OAC rule 3745-21-10 . The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

. iii. the performance of the continuous organic monitoring device shall be demonstrated using the methods and procedures specified in Performance Specification 8 or 9 of 40 CFR Part 60, Appendix B.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Services's refusal to accept the results of the emission test(s).

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paint spray booth #1-3 with particulate control by dry filtration, and equipped with VOC control by activated carbon adsorption	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)	Particulate emissions shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is not in use at all times for the control of organic compound (OC) emissions, emissions of OC shall not exceed 40 pounds per day and 8 pounds per hour from the paint spray booth for the coatings and photochemically reactive cleanup materials used for the non-metal parts. On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is used at all times for OC control, the emissions of OC from the paint spray booth shall be reduced by at least eighty-five percent (85%), by weight, as an overall control efficiency.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, emissions of VOC shall not exceed 4.3 pounds per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts. See section A.I.2.a
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for an extreme performance coating used for the metal parts. See section A.I.2.a.
	OAC rule 3745-21-09(U)(1)(d)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for coatings that are dried at temperatures not exceeding 200 degrees Fahrenheit and used for the metal parts.
	OAC rule 3745-21-09(U)(1)(i)	On any day when coating metal parts, emissions of VOC shall not exceed 3.0 pounds per gallon of coating, excluding water and exempt solvents, for any coating that is not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09.
Line 1 Finish Bake Oven natural gas, direct-fired, 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, emissions of OC shall not exceed 15 pounds per day and 3 pounds per hour from the oven for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

2.a The definitions for clear coating and extreme performance coating are contained in OAC rule 3745-21-01(D).

II. Operational Restrictions

1. The permittee shall operate the dry filtration system when the paint spray booth is in operation.

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

II. Operational Restrictions (continued)

2. On any day during which the activated carbon adsorption system is utilized to comply with the overall control efficiency requirement for OC, all emissions from the spray booth shall be vented to the carbon adsorber.

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

3. The permittee shall replace the first bank of activated carbon canisters on any day during which the retention of OC emissions (degree of saturation) is calculated to exceed 70% of the activity level for the activated carbon in the first bank of canisters.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall maintain daily records that document any time periods when the activated carbon control system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permittee shall monitor and record on a daily basis the total quantity of OC emissions vented to the carbon adsorption system. The permittee shall calculate and record on a daily basis the degree of saturation, as a percentage of the activity level, for the activated carbon in the first bank of canisters. The degree of saturation shall be calculated as a summation of the daily weights of OC emissions directed to the adsorption system since the last adsorber replacement, divided by the weight of OC emissions adsorbed by the amount of activated carbon in the first bank of canisters at saturation. The amount of OC emissions adsorbed by the first bank of canisters at saturation shall be calculated by multiplying the activity level, in pounds of OC adsorbed per pound of activated carbon, by the weight of activated carbon in the first bank of canisters.

[Authority for term: OAC rule 3745-77-07(C)(1)]

4. The permittee shall record the time and date of each carbon adsorber replacement and the calculated value of the retention of OC emissions (degree of saturation), as a percentage of the activity level as calculated above, immediately prior to replacement.

The permittee shall maintain records, supplied by the activated carbon manufacturer or vendor, that specify the activity level for each shipment of activated carbon purchased.

[Authority for term: OAC rule 3745-77-07(C)(1)]

5. 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

6. On each day when coating non-metal parts during which a photochemically reactive material is employed as a coating and/or cleanup material and the activated carbon unit is not used at all times, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. the name and identification number of each photochemically reactive cleanup material employed;

f. the number of gallons of each photochemically reactive cleanup material employed;

g. the organic compound content of each photochemically reactive cleanup material employed;

h. the total organic compound emission rate for all photochemically reactive cleanup materials (the summation of (f) x (g)) for each photochemically reactive cleanup material), in pounds per day;

i. On each day during which all coatings employed are baked, heat-cured, or heat-polymerized in the Line 1 Finish Bake Oven:

. i. the total uncontrolled organic compound emission rate from the spray booth stack for all coatings, in pounds per day. The total daily uncontrolled organic compound emission rate shall be calculated using the total potential daily organic compound emission rate from the paint spray booth for all coatings (d) multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.9 of this permit), in pounds per day.

. ii. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials (6.i.i)+(6.h), in pounds per day;

. iii. the total number of hours the emissions unit was in operation for such non-metal parts;

. iv. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.i.ii)/(6.i.iii), in pounds per hour (average); and

j. On each day when any of the coatings employed are not baked, heat-cured, or heat-polymerized in the Line 1 Finish Bake Oven:

. i. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials shall be calculated as (d)+(h), in pounds per day;

. ii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iii. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.j.i)/(6.j.ii), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

7. On each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in the Line 1 Finish Bake Oven, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. 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 (d), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.9 of this permit), in pounds per day;

f. the total number of hours the Line 1 Finish Bake Oven was in operation (this number should be the same as the actual number of hours spray booth #1-3 and/or spray booth #1-4 were in operation); and

g. the average hourly organic compound emission rate from the oven, i.e., (e)/(f), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

8. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:

a. the name, coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, or coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09) and identification number of each coating, as applied;

b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and

c. the daily volume-weighted average VOC content of all coatings for each coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09), as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2, in pounds of VOC per gallon of coating as applied.

[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.4 of this permit.]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

9. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined, during the most recent emission test which demonstrated compliance (uncontrolled emissions), to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-77-07(C)(1)]

10. The permittee shall collect and record daily the following information for purposes of determining the total annual emissions from this emissions unit:

a. the company identification for each coating employed;

b. the number of gallons of each coating employed;

c. the organic compound and individual HAP content of each coating, in pounds per gallon;

d. the total organic compound emission rate for all coatings (b)x(c), in pounds per day;

e. the total individual HAP emission rate for all coatings (b)x(c) for each HAP, in pounds per day;

f. for each day during which the activated carbon unit is in operation at all times and:

. i. on any day in which the oven is in use, the total organic compound rate sent to the control device for all coatings, in pounds per day, calculated as the total organic compound emissions rate for all coatings (d), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. ii. on any day in which the oven is in use, the total individual HAPs rate sent to the control device for all coatings, in pounds per day, calculated as the total individual HAP emissions rate for all coatings (e), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. iii. the calculated organic compound rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total organic compound emission rate for all coatings (d) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. (b) on any day in which the oven is used; the total organic compound rate sent to the control device for all coatings (10.f.i) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. iv. the calculated individual HAP rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total individual HAP rate for all coatings (e) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance; or

. (b) on any day in which the oven is used; the total individual HAP rate sent to the control device for all coatings (10.f.ii) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

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

g. the company identification for each cleanup material employed;

h. the number of gallons of each cleanup material employed;

i. the organic compound and individual HAP content of each cleanup material employed, in pounds per gallon;

j. the total organic compound emission rate for all cleanup material employed (h)x(i), in pounds per day;

k. the total individual HAP emission rate for all cleanup material employed (h)x(i) for each HAP, in pounds per day;

l. the total organic compound emission rate for this emissions unit calculated as the summation of the organic compound emissions rates from all coatings and cleanup materials, less the calculated organic compound rate of control, (d) + (j) - (10.f.iii), in pounds per day; and

m. the total individual HAP emission rate for this emissions unit calculated as the summation of the individual HAP emissions rates from all coatings and cleanup materials, less the calculated individual HAP rate of control, (e) + (k) - (10.f.iv), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1)]

11. The permittee shall collect and record monthly the following information for purposes of determining the total annual emissions from this emissions unit:

a. the monthly total organic compound emission rate for this emissions unit calculated as the monthly summation of the total organic compound emissions rates in section A.III.10.l above, in pounds per day;

b. the monthly total individual HAP emission rate for this emissions unit calculated as the monthly summation of the individual HAP emissions rates in section A.III.10.m above, in pounds per day;

c. the monthly total HAP emission rate for this emissions unit calculated as a monthly summation of the individual HAP emissions rates (b) above, in pounds per day;

d. the rolling, 12-month total organic compound emission rate for this emissions unit calculated as a summation of the total organic compound emissions rates in (a) above, in tons per year;

e. the rolling, 12-month total individual HAP emission rate for this emissions unit calculated as a summation of the individual HAP emissions rates in (b) above, in tons per year; and

f. the rolling, 12-month total HAP emission rate for this emissions unit calculated as a summation of the HAP emissions rates (c) above, in tons per year;

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that include the following information:

a. identification of each daily record showing that the dry filtration system controlling the paint spray was not in service when the emissions unit was in operation;

b. identification of each daily record showing that the degree of saturation of the activated carbon immediately prior to adsorber replacement, exceeded 70% of the activity level established as a site-specific parameter;

c. identification of each day when coating non-metal parts during which a photochemically reactive material was employed and the activated carbon adsorption system was not in use at all times and:

. i. the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour. The report shall also include the actual average hourly controlled organic compound emissions for such day (as calculated in section A.III.6.i.iv or A.III.6.j.iii of this permit); and/or

. ii. the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day (as calculated in section A.III.6.i.ii or section A.III.6.j.i of this permit). The report shall also include the actual organic compound emissions for each such day; and

d. identification of each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in an oven and:

. i. the average hourly organic compound emissions from the oven for such non-metal parts exceeded 3 pounds per hour (as calculated in section A.III.7.g). The report shall also include the actual average hourly organic compound emissions for each such day; and

. ii. the organic compound emissions from the oven for such non-metal parts exceeded 15 pounds per day (as calculated in section A.III.7.e). The report shall also include the actual organic compound emissions for each such day.

These deviation reports reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that, the volume-weighted average VOC content:

a. 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 (as calculated in section A.III.8.c);

b. for any extreme performance coatings used for metal parts exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c);

c. for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c); and

d. for any other coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts exceeded the applicable limitation of 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c).

IV. Reporting Requirements (continued)

The notification shall include a copy of each such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

The permittee shall also submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that summarize the information above. These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future. These written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter (i.e., January-March, April-June, July-September, and October-December). If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during that quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

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).

[Authority for term: OAC rule 3745-17-03(B)(1)]

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

E = (M) (1-TE) (1-CE)

where:

E = particulate emission rate (lbs/hr);

M = maximum coating solids usage rate (lbs/hr);

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used; and

CE = control efficiency of the control equipment.

If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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).

[Authority for term: OAC rule 3745-17-03(B)(10)]

V. Testing Requirements (continued)

1.c Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day for each unit, as specified in section A.III of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth.

[Authority for term: OAC rule 3745-21-10]

1.d Emission Limitation:

85% by weight reduction of organic materials
Applicable Compliance Method:

If required, compliance with the overall control efficiency limitation shall be demonstrated based upon the following emission testing for capture and control efficiencies:

i. the capture efficiency shall be determined using the Method 204 series, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement); and

ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with Method 25 or 25A, as appropriate, of 40 CFR Part 60, Appendix A and methods and procedures specified in OAC rule 3745-21-10(C). The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

1.e Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.f Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any extreme performance coatings used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.g Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

1.h Emission Limitation:

3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.i Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day, as specified in section A.III.7. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months of issuance of this permit to demonstrate compliance with the overall control efficiency limitations for OC/VOC , to determine the booth/oven "split", and to demonstrate the performance of the continuous organic monitoring device.

b. The emission testing shall be conducted within 6 months prior to permit expiration to demonstrate compliance with the performance of the continuous organic monitoring device.

c. The test method(s) which must be employed to demonstrate compliance with the overall control efficiency limitation for OC/VOC and the booth/oven "split" are specified below:

. i. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. The booth/oven "split" is determined by the capture efficiency. The percent of emissions captured are the uncontrolled emissions emitted from the booth, and the percent of emissions not captured are assumed to be emitted by the oven.

. ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with the methods and procedures specified in OAC rule 3745-21-10 . The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

. iii. the performance of the continuous organic monitoring device shall be demonstrated using the methods and procedures specified in Performance Specification 8 or 9 of 40 CFR Part 60, Appendix B.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Services's refusal to accept the results of the emission test(s).

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paint spray booth #1-4 with particulate control by dry filtration, and equipped with VOC control by activated carbon adsorption	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)	Particulate emissions shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is not in use at all times for the control of organic compound (OC) emissions, emissions of OC shall not exceed 40 pounds per day and 8 pounds per hour from the paint spray booth for the coatings and photochemically reactive cleanup materials used for the non-metal parts. On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is used at all times for OC control, the emissions of OC from the paint spray booth shall be reduced by at least eighty-five percent (85%), by weight, as an overall control efficiency.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, emissions of VOC shall not exceed 4.3 pounds per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts. See section A.I.2.a
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for an extreme performance coating used for the metal parts. See section A.I.2.a.
	OAC rule 3745-21-09(U)(1)(d)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for coatings that are dried at temperatures not exceeding 200 degrees Fahrenheit and used for the metal parts.
	OAC rule 3745-21-09(U)(1)(i)	On any day when coating metal parts, emissions of VOC shall not exceed 3.0 pounds per gallon of coating, excluding water and exempt solvents, for any coating that is not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09.
Line 1 Finish Bake Oven natural gas, direct-fired, 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, emissions of OC shall not exceed 15 pounds per day and 3 pounds per hour from the oven for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

2.a The definitions for clear coating and extreme performance coating are contained in OAC rule 3745-21-01(D).

II. Operational Restrictions

1. The permittee shall operate the dry filtration system when the paint spray booth is in operation.

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

II. Operational Restrictions (continued)

2. On any day during which the activated carbon adsorption system is utilized to comply with the overall control efficiency requirement for OC, all emissions from the spray booth shall be vented to the carbon adsorber.

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

3. The permittee shall replace the first bank of activated carbon canisters on any day during which the retention of OC emissions (degree of saturation) is calculated to exceed 70% of the activity level for the activated carbon in the first bank of canisters.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall maintain daily records that document any time periods when the activated carbon control system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permittee shall monitor and record on a daily basis the total quantity of OC emissions vented to the carbon adsorption system. The permittee shall calculate and record on a daily basis the degree of saturation, as a percentage of the activity level, for the activated carbon in the first bank of canisters. The degree of saturation shall be calculated as a summation of the daily weights of OC emissions directed to the adsorption system since the last adsorber replacement, divided by the weight of OC emissions adsorbed by the amount of activated carbon in the first bank of canisters at saturation. The amount of OC emissions adsorbed by the first bank of canisters at saturation shall be calculated by multiplying the activity level, in pounds of OC adsorbed per pound of activated carbon, by the weight of activated carbon in the first bank of canisters.

[Authority for term: OAC rule 3745-77-07(C)(1)]

4. The permittee shall record the time and date of each carbon adsorber replacement and the calculated value of the retention of OC emissions (degree of saturation), as a percentage of the activity level as calculated above, immediately prior to replacement.

The permittee shall maintain records, supplied by the activated carbon manufacturer or vendor, that specify the activity level for each shipment of activated carbon purchased.

[Authority for term: OAC rule 3745-77-07(C)(1)]

5. 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

6. On each day when coating non-metal parts during which a photochemically reactive material is employed as a coating and/or cleanup material and the activated carbon unit is not used at all times, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. the name and identification number of each photochemically reactive cleanup material employed;

f. the number of gallons of each photochemically reactive cleanup material employed;

g. the organic compound content of each photochemically reactive cleanup material employed;

h. the total organic compound emission rate for all photochemically reactive cleanup materials (the summation of (f) x (g)) for each photochemically reactive cleanup material), in pounds per day;

i. On each day during which all coatings employed are baked, heat-cured, or heat-polymerized in the Line 1 Finish Bake Oven:

. i. the total uncontrolled organic compound emission rate from the spray booth stack for all coatings, in pounds per day. The total daily uncontrolled organic compound emission rate shall be calculated using the total potential daily organic compound emission rate from the paint spray booth for all coatings (d) multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.9 of this permit), in pounds per day.

. ii. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials (6.i.i)+(6.h), in pounds per day;

. iii. the total number of hours the emissions unit was in operation for such non-metal parts;

. iv. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.i.ii)/(6.i.iii), in pounds per hour (average); and

j. On each day when any of the coatings employed are not baked, heat-cured, or heat-polymerized in the Line 1 Finish Bake Oven:

. i. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials shall be calculated as (d)+(h), in pounds per day;

. ii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iii. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.j.i)/(6.j.ii), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

7. On each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in the Line 1 Finish Bake Oven, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. 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 (d), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.9 of this permit), in pounds per day;

f. the total number of hours the Line 1 Finish Bake Oven was in operation (this number should be the same as the actual number of hours spray booth #1-3 and/or spray booth #1-4 were in operation); and

g. the average hourly organic compound emission rate from the oven, i.e., (e)/(f), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

8. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:

a. the name, coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, or coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09) and identification number of each coating, as applied;

b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and

c. the daily volume-weighted average VOC content of all coatings for each coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09), as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2, in pounds of VOC per gallon of coating as applied.

[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.4 of this permit.]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

9. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined, during the most recent emission test which demonstrated compliance (uncontrolled emissions), to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-77-07(C)(1)]

10. The permittee shall collect and record daily the following information for purposes of determining the total annual emissions from this emissions unit:

a. the company identification for each coating employed;

b. the number of gallons of each coating employed;

c. the organic compound and individual HAP content of each coating, in pounds per gallon;

d. the total organic compound emission rate for all coatings (b)x(c), in pounds per day;

e. the total individual HAP emission rate for all coatings (b)x(c) for each HAP, in pounds per day;

f. for each day during which the activated carbon unit is in operation at all times and:

. i. on any day in which the oven is in use, the total organic compound rate sent to the control device for all coatings, in pounds per day, calculated as the total organic compound emissions rate for all coatings (d), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. ii. on any day in which the oven is in use, the total individual HAPs rate sent to the control device for all coatings, in pounds per day, calculated as the total individual HAP emissions rate for all coatings (e), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. iii. the calculated organic compound rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total organic compound emission rate for all coatings (d) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. (b) on any day in which the oven is used; the total organic compound rate sent to the control device for all coatings (10.f.i) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. iv. the calculated individual HAP rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total individual HAP rate for all coatings (e) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance; or

. (b) on any day in which the oven is used; the total individual HAP rate sent to the control device for all coatings (10.f.ii) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

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

g. the company identification for each cleanup material employed;

h. the number of gallons of each cleanup material employed;

i. the organic compound and individual HAP content of each cleanup material employed, in pounds per gallon;

j. the total organic compound emission rate for all cleanup material employed (h)x(i), in pounds per day;

k. the total individual HAP emission rate for all cleanup material employed (h)x(i) for each HAP, in pounds per day;

l. the total organic compound emission rate for this emissions unit calculated as the summation of the organic compound emissions rates from all coatings and cleanup materials, less the calculated organic compound rate of control, (d) + (j) - (10.f.iii), in pounds per day; and

m. the total individual HAP emission rate for this emissions unit calculated as the summation of the individual HAP emissions rates from all coatings and cleanup materials, less the calculated individual HAP rate of control, (e) + (k) - (10.f.iv), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1)]

11. The permittee shall collect and record monthly the following information for purposes of determining the total annual emissions from this emissions unit:

a. the monthly total organic compound emission rate for this emissions unit calculated as the monthly summation of the total organic compound emissions rates in section A.III.10.l above, in pounds per day;

b. the monthly total individual HAP emission rate for this emissions unit calculated as the monthly summation of the individual HAP emissions rates in section A.III.10.m above, in pounds per day;

c. the monthly total HAP emission rate for this emissions unit calculated as a monthly summation of the individual HAP emissions rates (b) above, in pounds per day;

d. the rolling, 12-month total organic compound emission rate for this emissions unit calculated as a summation of the total organic compound emissions rates in (a) above, in tons per year;

e. the rolling, 12-month total individual HAP emission rate for this emissions unit calculated as a summation of the individual HAP emissions rates in (b) above, in tons per year; and

f. the rolling, 12-month total HAP emission rate for this emissions unit calculated as a summation of the HAP emissions rates (c) above, in tons per year;

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that include the following information:

a. identification of each daily record showing that the dry filtration system controlling the paint spray was not in service when the emissions unit was in operation;

b. identification of each daily record showing that the degree of saturation of the activated carbon immediately prior to adsorber replacement, exceeded 70% of the activity level established as a site-specific parameter;

c. identification of each day when coating non-metal parts during which a photochemically reactive material was employed and the activated carbon adsorption system was not in use at all times and:

. i. the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour. The report shall also include the actual average hourly controlled organic compound emissions for such day (as calculated in section A.III.6.i.iv or A.III.6.j.iii of this permit); and/or

. ii. the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day (as calculated in section A.III.6.i.ii or section A.III.6.j.i of this permit). The report shall also include the actual organic compound emissions for each such day; and

d. identification of each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in an oven and:

. i. the average hourly organic compound emissions from the oven for such non-metal parts exceeded 3 pounds per hour (as calculated in section A.III.7.g). The report shall also include the actual average hourly organic compound emissions for each such day; and

. ii. the organic compound emissions from the oven for such non-metal parts exceeded 15 pounds per day (as calculated in section A.III.7.e). The report shall also include the actual organic compound emissions for each such day.

These deviation reports reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that, the volume-weighted average VOC content:

a. 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 (as calculated in section A.III.8.c);

b. for any extreme performance coatings used for metal parts exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c);

c. for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c); and

d. for any other coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts exceeded the applicable limitation of 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c).

IV. Reporting Requirements (continued)

The notification shall include a copy of each such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

The permittee shall also submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that summarize the information above. These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future. These written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter (i.e., January-March, April-June, July-September, and October-December). If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during that quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

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).

[Authority for term: OAC rule 3745-17-03(B)(1)]

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

E = (M) (1-TE) (1-CE)

where:

E = particulate emission rate (lbs/hr);

M = maximum coating solids usage rate (lbs/hr);

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used; and

CE = control efficiency of the control equipment.

If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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).

[Authority for term: OAC rule 3745-17-03(B)(10)]

V. Testing Requirements (continued)

1.c Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day for each unit, as specified in section A.III of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth.

[Authority for term: OAC rule 3745-21-10]

1.d Emission Limitation:

85% by weight reduction of organic materials
Applicable Compliance Method:

If required, compliance with the overall control efficiency limitation shall be demonstrated based upon the following emission testing for capture and control efficiencies:

i. the capture efficiency shall be determined using the Method 204 series, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement); and

ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with Method 25 or 25A, as appropriate, of 40 CFR Part 60, Appendix A and methods and procedures specified in OAC rule 3745-21-10(C). The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

1.e Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.f Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any extreme performance coatings used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.g Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

1.h Emission Limitation:

3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.i Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day, as specified in section A.III.7. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months of issuance of this permit to demonstrate compliance with the overall control efficiency limitations for OC/VOC , to determine the booth/oven "split", and to demonstrate the performance of the continuous organic monitoring device.

b. The emission testing shall be conducted within 6 months prior to permit expiration to demonstrate compliance with the performance of the continuous organic monitoring device.

c. The test method(s) which must be employed to demonstrate compliance with the overall control efficiency limitation for OC/VOC and the booth/oven "split" are specified below:

. i. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. The booth/oven "split" is determined by the capture efficiency. The percent of emissions captured are the uncontrolled emissions emitted from the booth, and the percent of emissions not captured are assumed to be emitted by the oven.

. ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with the methods and procedures specified in OAC rule 3745-21-10 . The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

. iii. the performance of the continuous organic monitoring device shall be demonstrated using the methods and procedures specified in Performance Specification 8 or 9 of 40 CFR Part 60, Appendix B.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Services's refusal to accept the results of the emission test(s).

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paint spray booth #2-1 with particulate control by dry filtration, and equipped with VOC control by activated carbon adsorption	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)	Particulate emissions shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is not in use at all times for the control of organic compound (OC) emissions, emissions of OC shall not exceed 40 pounds per day and 8 pounds per hour from the paint spray booth for the coatings and photochemically reactive cleanup materials used for the non-metal parts. On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is used at all times for OC control, the emissions of OC from the paint spray booth shall be reduced by at least eighty-five percent (85%), by weight, as an overall control efficiency.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, emissions of VOC shall not exceed 4.3 pounds per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts. See section A.I.2.a
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for an extreme performance coating used for the metal parts. See section A.I.2.a.
	OAC rule 3745-21-09(U)(1)(d)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for coatings that are dried at temperatures not exceeding 200 degrees Fahrenheit and used for the metal parts.
	OAC rule 3745-21-09(U)(1)(i)	On any day when coating metal parts, emissions of VOC shall not exceed 3.0 pounds per gallon of coating, excluding water and exempt solvents, for any coating that is not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09.
Line 2 Infrared Oven natural gas, direct-fired, 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, emissions of OC shall not exceed 15 pounds per day and 3 pounds per hour from the oven for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

2.a The definitions for clear coating and extreme performance coating are contained in OAC rule 3745-21-01(D).

II. Operational Restrictions

1. The permittee shall operate the dry filtration system when the paint spray booth is in operation.

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

II. Operational Restrictions (continued)

2. On any day during which the activated carbon adsorption system is utilized to comply with the overall control efficiency requirement for OC, all emissions from the spray booth shall be vented to the carbon adsorber.

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

3. The permittee shall replace the first bank of activated carbon canisters on any day during which the retention of OC emissions (degree of saturation) is calculated to exceed 70% of the activity level for the activated carbon in the first bank of canisters.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall maintain daily records that document any time periods when the activated carbon control system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permittee shall monitor and record on a daily basis the total quantity of OC emissions vented to the carbon adsorption system. The permittee shall calculate and record on a daily basis the degree of saturation, as a percentage of the activity level, for the activated carbon in the first bank of canisters. The degree of saturation shall be calculated as a summation of the daily weights of OC emissions directed to the adsorption system since the last adsorber replacement, divided by the weight of OC emissions adsorbed by the amount of activated carbon in the first bank of canisters at saturation. The amount of OC emissions adsorbed by the first bank of canisters at saturation shall be calculated by multiplying the activity level, in pounds of OC adsorbed per pound of activated carbon, by the weight of activated carbon in the first bank of canisters.

[Authority for term: OAC rule 3745-77-07(C)(1)]

4. The permittee shall record the time and date of each carbon adsorber replacement and the calculated value of the retention of OC emissions (degree of saturation), as a percentage of the activity level as calculated above, immediately prior to replacement.

The permittee shall maintain records, supplied by the activated carbon manufacturer or vendor, that specify the activity level for each shipment of activated carbon purchased.

[Authority for term: OAC rule 3745-77-07(C)(1)]

5. 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

6. On each day when coating non-metal parts during which a photochemically reactive material is employed as a coating and/or cleanup material and the activated carbon unit is not used at all times, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. the name and identification number of each photochemically reactive cleanup material employed;

f. the number of gallons of each photochemically reactive cleanup material employed;

g. the organic compound content of each photochemically reactive cleanup material employed;

h. the total organic compound emission rate for all photochemically reactive cleanup materials (the summation of (f) x (g)) for each photochemically reactive cleanup material), in pounds per day;

i. On each day during which all coatings employed are baked, heat-cured, or heat-polymerized in the Line 2 Infrared Oven:

. i. the total uncontrolled organic compound emission rate from the spray booth stack for all coatings, in pounds per day. The total daily uncontrolled organic compound emission rate shall be calculated using the total potential daily organic compound emission rate from the paint spray booth for all coatings (d) multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.9 of this permit), in pounds per day.

. ii. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials (6.i.i)+(6.h), in pounds per day;

. iii. the total number of hours the emissions unit was in operation for such non-metal parts;

. iv. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.i.ii)/(6.i.iii), in pounds per hour (average); and

j. On each day when any of the coatings employed are not baked, heat-cured, or heat-polymerized in the Line 2 Infrared Oven:

. i. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials shall be calculated as (d)+(h), in pounds per day;

. ii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iii. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.j.i)/(6.j.ii), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

7. On each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in the Line 2 Infrared Oven, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. 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 (d), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.9 of this permit), in pounds per day;

f. the total number of hours the Line 2 Infrared Oven was in operation (this number should be the same as the actual number of hours spray booth #2-1 was in operation); and

g. the average hourly organic compound emission rate from the oven, i.e., (e)/(f), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

8. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:

a. the name, coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, or coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09) and identification number of each coating, as applied;

b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and

c. the daily volume-weighted average VOC content of all coatings for each coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09), as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2, in pounds of VOC per gallon of coating as applied.

[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.4 of this permit.]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

9. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined, during the most recent emission test which demonstrated compliance (uncontrolled emissions), to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-77-07(C)(1)]

10. The permittee shall collect and record daily the following information for purposes of determining the total annual emissions from this emissions unit:

a. the company identification for each coating employed;

b. the number of gallons of each coating employed;

c. the organic compound and individual HAP content of each coating, in pounds per gallon;

d. the total organic compound emission rate for all coatings (b)x(c), in pounds per day;

e. the total individual HAP emission rate for all coatings (b)x(c) for each HAP, in pounds per day;

f. for each day during which the activated carbon unit is in operation at all times and:

. i. on any day in which the oven is in use, the total organic compound rate sent to the control device for all coatings, in pounds per day, calculated as the total organic compound emissions rate for all coatings (d), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. ii. on any day in which the oven is in use, the total individual HAPs rate sent to the control device for all coatings, in pounds per day, calculated as the total individual HAP emissions rate for all coatings (e), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. iii. the calculated organic compound rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total organic compound emission rate for all coatings (d) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. (b) on any day in which the oven is used; the total organic compound rate sent to the control device for all coatings (10.f.i) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. iv. the calculated individual HAP rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total individual HAP rate for all coatings (e) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance; or

. (b) on any day in which the oven is used; the total individual HAP rate sent to the control device for all coatings (10.f.ii) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

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

g. the company identification for each cleanup material employed;

h. the number of gallons of each cleanup material employed;

i. the organic compound and individual HAP content of each cleanup material employed, in pounds per gallon;

j. the total organic compound emission rate for all cleanup material employed (h)x(i), in pounds per day;

k. the total individual HAP emission rate for all cleanup material employed (h)x(i) for each HAP, in pounds per day;

l. the total organic compound emission rate for this emissions unit calculated as the summation of the organic compound emissions rates from all coatings and cleanup materials, less the calculated organic compound rate of control, (d) + (j) - (10.f.iii), in pounds per day; and

m. the total individual HAP emission rate for this emissions unit calculated as the summation of the individual HAP emissions rates from all coatings and cleanup materials, less the calculated individual HAP rate of control, (e) + (k) - (10.f.iv), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1)]

11. The permittee shall collect and record monthly the following information for purposes of determining the total annual emissions from this emissions unit:

a. the monthly total organic compound emission rate for this emissions unit calculated as the monthly summation of the total organic compound emissions rates in section A.III.10.l above, in pounds per day;

b. the monthly total individual HAP emission rate for this emissions unit calculated as the monthly summation of the individual HAP emissions rates in section A.III.10.m above, in pounds per day;

c. the monthly total HAP emission rate for this emissions unit calculated as a monthly summation of the individual HAP emissions rates (b) above, in pounds per day;

d. the rolling, 12-month total organic compound emission rate for this emissions unit calculated as a summation of the total organic compound emissions rates in (a) above, in tons per year;

e. the rolling, 12-month total individual HAP emission rate for this emissions unit calculated as a summation of the individual HAP emissions rates in (b) above, in tons per year; and

f. the rolling, 12-month total HAP emission rate for this emissions unit calculated as a summation of the HAP emissions rates (c) above, in tons per year;

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that include the following information:

a. identification of each daily record showing that the dry filtration system controlling the paint spray was not in service when the emissions unit was in operation;

b. identification of each daily record showing that the degree of saturation of the activated carbon immediately prior to adsorber replacement, exceeded 70% of the activity level established as a site-specific parameter;

c. identification of each day when coating non-metal parts during which a photochemically reactive material was employed and the activated carbon adsorption system was not in use at all times and:

. i. the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour. The report shall also include the actual average hourly controlled organic compound emissions for such day (as calculated in section A.III.6.i.iv or A.III.6.j.iii of this permit); and/or

. ii. the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day (as calculated in section A.III.6.i.ii or section A.III.6.j.i of this permit). The report shall also include the actual organic compound emissions for each such day; and

d. identification of each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in an oven and:

. i. the average hourly organic compound emissions from the oven for such non-metal parts exceeded 3 pounds per hour (as calculated in section A.III.7.g). The report shall also include the actual average hourly organic compound emissions for each such day; and

. ii. the organic compound emissions from the oven for such non-metal parts exceeded 15 pounds per day (as calculated in section A.III.7.e). The report shall also include the actual organic compound emissions for each such day.

These deviation reports reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that, the volume-weighted average VOC content:

a. 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 (as calculated in section A.III.8.c);

b. for any extreme performance coatings used for metal parts exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c);

c. for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c); and

d. for any other coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts exceeded the applicable limitation of 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c).

IV. Reporting Requirements (continued)

The notification shall include a copy of each such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

The permittee shall also submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that summarize the information above. These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future. These written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter (i.e., January-March, April-June, July-September, and October-December). If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during that quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

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).

[Authority for term: OAC rule 3745-17-03(B)(1)]

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

E = (M) (1-TE) (1-CE)

where:

E = particulate emission rate (lbs/hr);

M = maximum coating solids usage rate (lbs/hr);

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used; and

CE = control efficiency of the control equipment.

If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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).

[Authority for term: OAC rule 3745-17-03(B)(10)]

V. Testing Requirements (continued)

1.c Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day for each unit, as specified in section A.III of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth.

[Authority for term: OAC rule 3745-21-10]

1.d Emission Limitation:

85% by weight reduction of organic materials
Applicable Compliance Method:

If required, compliance with the overall control efficiency limitation shall be demonstrated based upon the following emission testing for capture and control efficiencies:

i. the capture efficiency shall be determined using the Method 204 series, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement); and

ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with Method 25 or 25A, as appropriate, of 40 CFR Part 60, Appendix A and methods and procedures specified in OAC rule 3745-21-10(C). The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

1.e Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.f Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any extreme performance coatings used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.g Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

1.h Emission Limitation:

3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.i Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day, as specified in section A.III.7. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months of issuance of this permit to demonstrate compliance with the overall control efficiency limitations for OC/VOC , to determine the booth/oven "split", and to demonstrate the performance of the continuous organic monitoring device.

b. The emission testing shall be conducted within 6 months prior to permit expiration to demonstrate compliance with the performance of the continuous organic monitoring device.

c. The test method(s) which must be employed to demonstrate compliance with the overall control efficiency limitation for OC/VOC and the booth/oven "split" are specified below:

. i. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. The booth/oven "split" is determined by the capture efficiency. The percent of emissions captured are the uncontrolled emissions emitted from the booth, and the percent of emissions not captured are assumed to be emitted by the oven.

. ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with the methods and procedures specified in OAC rule 3745-21-10 . The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

. iii. the performance of the continuous organic monitoring device shall be demonstrated using the methods and procedures specified in Performance Specification 8 or 9 of 40 CFR Part 60, Appendix B.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Services's refusal to accept the results of the emission test(s).

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paint spray booth #2-2 with particulate control by dry filtration, and equipped with VOC control by activated carbon adsorption	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)	Particulate emissions shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is not in use at all times for the control of organic compound (OC) emissions, emissions of OC shall not exceed 40 pounds per day and 8 pounds per hour from the paint spray booth for the coatings and photochemically reactive cleanup materials used for the non-metal parts. On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is used at all times for OC control, the emissions of OC from the paint spray booth shall be reduced by at least eighty-five percent (85%), by weight, as an overall control efficiency.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, emissions of VOC shall not exceed 4.3 pounds per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts. See section A.I.2.a
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for an extreme performance coating used for the metal parts. See section A.I.2.a.
	OAC rule 3745-21-09(U)(1)(d)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for coatings that are dried at temperatures not exceeding 200 degrees Fahrenheit and used for the metal parts.
	OAC rule 3745-21-09(U)(1)(i)	On any day when coating metal parts, emissions of VOC shall not exceed 3.0 pounds per gallon of coating, excluding water and exempt solvents, for any coating that is not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09.
Line 2 Convection Bake Oven natural gas, direct-fired, 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, emissions of OC shall not exceed 15 pounds per day and 3 pounds per hour from the oven for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

2.a The definitions for clear coating and extreme performance coating are contained in OAC rule 3745-21-01(D).

II. Operational Restrictions

1. The permittee shall operate the dry filtration system when the paint spray booth is in operation.

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

II. Operational Restrictions (continued)

2. On any day during which the activated carbon adsorption system is utilized to comply with the overall control efficiency requirement for OC, all emissions from the spray booth shall be vented to the carbon adsorber.

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

3. The permittee shall replace the first bank of activated carbon canisters on any day during which the retention of OC emissions (degree of saturation) is calculated to exceed 70% of the activity level for the activated carbon in the first bank of canisters.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall maintain daily records that document any time periods when the activated carbon control system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permittee shall monitor and record on a daily basis the total quantity of OC emissions vented to the carbon adsorption system. The permittee shall calculate and record on a daily basis the degree of saturation, as a percentage of the activity level, for the activated carbon in the first bank of canisters. The degree of saturation shall be calculated as a summation of the daily weights of OC emissions directed to the adsorption system since the last adsorber replacement, divided by the weight of OC emissions adsorbed by the amount of activated carbon in the first bank of canisters at saturation. The amount of OC emissions adsorbed by the first bank of canisters at saturation shall be calculated by multiplying the activity level, in pounds of OC adsorbed per pound of activated carbon, by the weight of activated carbon in the first bank of canisters.

[Authority for term: OAC rule 3745-77-07(C)(1)]

4. The permittee shall record the time and date of each carbon adsorber replacement and the calculated value of the retention of OC emissions (degree of saturation), as a percentage of the activity level as calculated above, immediately prior to replacement.

The permittee shall maintain records, supplied by the activated carbon manufacturer or vendor, that specify the activity level for each shipment of activated carbon purchased.

[Authority for term: OAC rule 3745-77-07(C)(1)]

5. 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

6. On each day when coating non-metal parts during which a photochemically reactive material is employed as a coating and/or cleanup material and the activated carbon unit is not used at all times, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. the name and identification number of each photochemically reactive cleanup material employed;

f. the number of gallons of each photochemically reactive cleanup material employed;

g. the organic compound content of each photochemically reactive cleanup material employed;

h. the total organic compound emission rate for all photochemically reactive cleanup materials (the summation of (f) x (g)) for each photochemically reactive cleanup material), in pounds per day;

i. On each day during which all coatings employed are baked, heat-cured, or heat-polymerized in the Line 2 Convection Bake Oven:

. i. the total uncontrolled organic compound emission rate from the spray booth stack for all coatings, in pounds per day. The total daily uncontrolled organic compound emission rate shall be calculated using the total potential daily organic compound emission rate from the paint spray booth for all coatings (d) multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.9 of this permit), in pounds per day.

. ii. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials (6.i.i)+(6.h), in pounds per day;

. iii. the total number of hours the emissions unit was in operation for such non-metal parts;

. iv. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.i.ii)/(6.i.iii), in pounds per hour (average); and

j. On each day when any of the coatings employed are not baked, heat-cured, or heat-polymerized in the Line 2 Convection Bake Oven:

. i. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials shall be calculated as (d)+(h), in pounds per day;

. ii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iii. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.j.i)/(6.j.ii), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

7. On each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in the Line 2 Convection Bake Oven, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. 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 (d), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.9 of this permit), in pounds per day;

f. the total number of hours the Line 2 Convection Bake Oven was in operation (this number should be the same as the actual number of hours spray booth #2-2 and/or spray booth #2-3 were in operation); and

g. the average hourly organic compound emission rate from the oven, i.e., (e)/(f), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

8. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:

a. the name, coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, or coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09) and identification number of each coating, as applied;

b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and

c. the daily volume-weighted average VOC content of all coatings for each coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09), as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2, in pounds of VOC per gallon of coating as applied.

[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.4 of this permit.]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

9. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined, during the most recent emission test which demonstrated compliance (uncontrolled emissions), to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-77-07(C)(1)]

10. The permittee shall collect and record daily the following information for purposes of determining the total annual emissions from this emissions unit:

a. the company identification for each coating employed;

b. the number of gallons of each coating employed;

c. the organic compound and individual HAP content of each coating, in pounds per gallon;

d. the total organic compound emission rate for all coatings (b)x(c), in pounds per day;

e. the total individual HAP emission rate for all coatings (b)x(c) for each HAP, in pounds per day;

f. for each day during which the activated carbon unit is in operation at all times and:

. i. on any day in which the oven is in use, the total organic compound rate sent to the control device for all coatings, in pounds per day, calculated as the total organic compound emissions rate for all coatings (d), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. ii. on any day in which the oven is in use, the total individual HAPs rate sent to the control device for all coatings, in pounds per day, calculated as the total individual HAP emissions rate for all coatings (e), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. iii. the calculated organic compound rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total organic compound emission rate for all coatings (d) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. (b) on any day in which the oven is used; the total organic compound rate sent to the control device for all coatings (10.f.i) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. iv. the calculated individual HAP rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total individual HAP rate for all coatings (e) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance; or

. (b) on any day in which the oven is used; the total individual HAP rate sent to the control device for all coatings (10.f.ii) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

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

g. the company identification for each cleanup material employed;

h. the number of gallons of each cleanup material employed;

i. the organic compound and individual HAP content of each cleanup material employed, in pounds per gallon;

j. the total organic compound emission rate for all cleanup material employed (h)x(i), in pounds per day;

k. the total individual HAP emission rate for all cleanup material employed (h)x(i) for each HAP, in pounds per day;

l. the total organic compound emission rate for this emissions unit calculated as the summation of the organic compound emissions rates from all coatings and cleanup materials, less the calculated organic compound rate of control, (d) + (j) - (10.f.iii), in pounds per day; and

m. the total individual HAP emission rate for this emissions unit calculated as the summation of the individual HAP emissions rates from all coatings and cleanup materials, less the calculated individual HAP rate of control, (e) + (k) - (10.f.iv), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1)]

11. The permittee shall collect and record monthly the following information for purposes of determining the total annual emissions from this emissions unit:

a. the monthly total organic compound emission rate for this emissions unit calculated as the monthly summation of the total organic compound emissions rates in section A.III.10.l above, in pounds per day;

b. the monthly total individual HAP emission rate for this emissions unit calculated as the monthly summation of the individual HAP emissions rates in section A.III.10.m above, in pounds per day;

c. the monthly total HAP emission rate for this emissions unit calculated as a monthly summation of the individual HAP emissions rates (b) above, in pounds per day;

d. the rolling, 12-month total organic compound emission rate for this emissions unit calculated as a summation of the total organic compound emissions rates in (a) above, in tons per year;

e. the rolling, 12-month total individual HAP emission rate for this emissions unit calculated as a summation of the individual HAP emissions rates in (b) above, in tons per year; and

f. the rolling, 12-month total HAP emission rate for this emissions unit calculated as a summation of the HAP emissions rates (c) above, in tons per year;

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that include the following information:

a. identification of each daily record showing that the dry filtration system controlling the paint spray was not in service when the emissions unit was in operation;

b. identification of each daily record showing that the degree of saturation of the activated carbon immediately prior to adsorber replacement, exceeded 70% of the activity level established as a site-specific parameter;

c. identification of each day when coating non-metal parts during which a photochemically reactive material was employed and the activated carbon adsorption system was not in use at all times and:

. i. the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour. The report shall also include the actual average hourly controlled organic compound emissions for such day (as calculated in section A.III.6.i.iv or A.III.6.j.iii of this permit); and/or

. ii. the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day (as calculated in section A.III.6.i.ii or section A.III.6.j.i of this permit). The report shall also include the actual organic compound emissions for each such day; and

d. identification of each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in an oven and:

. i. the average hourly organic compound emissions from the oven for such non-metal parts exceeded 3 pounds per hour (as calculated in section A.III.7.g). The report shall also include the actual average hourly organic compound emissions for each such day; and

. ii. the organic compound emissions from the oven for such non-metal parts exceeded 15 pounds per day (as calculated in section A.III.7.e). The report shall also include the actual organic compound emissions for each such day.

These deviation reports reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that, the volume-weighted average VOC content:

a. 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 (as calculated in section A.III.8.c);

b. for any extreme performance coatings used for metal parts exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c);

c. for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c); and

d. for any other coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts exceeded the applicable limitation of 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c).

IV. Reporting Requirements (continued)

The notification shall include a copy of each such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

The permittee shall also submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that summarize the information above. These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future. These written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter (i.e., January-March, April-June, July-September, and October-December). If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during that quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

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).

[Authority for term: OAC rule 3745-17-03(B)(1)]

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

E = (M) (1-TE) (1-CE)

where:

E = particulate emission rate (lbs/hr);

M = maximum coating solids usage rate (lbs/hr);

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used; and

CE = control efficiency of the control equipment.

If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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).

[Authority for term: OAC rule 3745-17-03(B)(10)]

V. Testing Requirements (continued)

1.c Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day for each unit, as specified in section A.III of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth.

[Authority for term: OAC rule 3745-21-10]

1.d Emission Limitation:

85% by weight reduction of organic materials
Applicable Compliance Method:

If required, compliance with the overall control efficiency limitation shall be demonstrated based upon the following emission testing for capture and control efficiencies:

i. the capture efficiency shall be determined using the Method 204 series, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement); and

ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with Method 25 or 25A, as appropriate, of 40 CFR Part 60, Appendix A and methods and procedures specified in OAC rule 3745-21-10(C). The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

1.e Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.f Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any extreme performance coatings used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.g Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

1.h Emission Limitation:

3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.i Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day, as specified in section A.III.7. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months of issuance of this permit to demonstrate compliance with the overall control efficiency limitations for OC/VOC , to determine the booth/oven "split", and to demonstrate the performance of the continuous organic monitoring device.

b. The emission testing shall be conducted within 6 months prior to permit expiration to demonstrate compliance with the performance of the continuous organic monitoring device.

c. The test method(s) which must be employed to demonstrate compliance with the overall control efficiency limitation for OC/VOC and the booth/oven "split" are specified below:

. i. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. The booth/oven "split" is determined by the capture efficiency. The percent of emissions captured are the uncontrolled emissions emitted from the booth, and the percent of emissions not captured are assumed to be emitted by the oven.

. ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with the methods and procedures specified in OAC rule 3745-21-10 . The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

. iii. the performance of the continuous organic monitoring device shall be demonstrated using the methods and procedures specified in Performance Specification 8 or 9 of 40 CFR Part 60, Appendix B.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Services's refusal to accept the results of the emission test(s).

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paint spray booth #2-3 with particulate control by dry filtration, and equipped with VOC control by activated carbon adsorption	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)	Particulate emissions shall not exceed 0.551 pound per hour.
	OAC rule 3745-21-07(G)(2)	On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is not in use at all times for the control of organic compound (OC) emissions, emissions of OC shall not exceed 40 pounds per day and 8 pounds per hour from the paint spray booth for the coatings and photochemically reactive cleanup materials used for the non-metal parts. On any day when coating non-metal parts during which a photochemically reactive material is utilized as a coating or cleanup material and activated carbon adsorption is used at all times for OC control, the emissions of OC from the paint spray booth shall be reduced by at least eighty-five percent (85%), by weight, as an overall control efficiency.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-21-09(U)(1)(a)	On any day when coating metal parts, emissions of VOC shall not exceed 4.3 pounds per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts. See section A.I.2.a
	OAC rule 3745-21-09(U)(1)(c)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for an extreme performance coating used for the metal parts. See section A.I.2.a.
	OAC rule 3745-21-09(U)(1)(d)	On any day when coating metal parts, emissions of VOC shall not exceed 3.5 pounds per gallon of coating, excluding water and exempt solvents, for coatings that are dried at temperatures not exceeding 200 degrees Fahrenheit and used for the metal parts.
	OAC rule 3745-21-09(U)(1)(i)	On any day when coating metal parts, emissions of VOC shall not exceed 3.0 pounds per gallon of coating, excluding water and exempt solvents, for any coating that is not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09.
Line 2 Convection Bake Oven natural gas, direct-fired, 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, emissions of OC shall not exceed 15 pounds per day and 3 pounds per hour from the oven for the coatings used for the non-metal parts.

2. Additional Terms and Conditions

2.a The definitions for clear coating and extreme performance coating are contained in OAC rule 3745-21-01(D).

II. Operational Restrictions

1. The permittee shall operate the dry filtration system when the paint spray booth is in operation.

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

II. Operational Restrictions (continued)

2. On any day during which the activated carbon adsorption system is utilized to comply with the overall control efficiency requirement for OC, all emissions from the spray booth shall be vented to the carbon adsorber.

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

3. The permittee shall replace the first bank of activated carbon canisters on any day during which the retention of OC emissions (degree of saturation) is calculated to exceed 70% of the activity level for the activated carbon in the first bank of canisters.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall maintain daily records that document any time periods when the activated carbon control system was not in service when the paint spray booth was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permittee shall monitor and record on a daily basis the total quantity of OC emissions vented to the carbon adsorption system. The permittee shall calculate and record on a daily basis the degree of saturation, as a percentage of the activity level, for the activated carbon in the first bank of canisters. The degree of saturation shall be calculated as a summation of the daily weights of OC emissions directed to the adsorption system since the last adsorber replacement, divided by the weight of OC emissions adsorbed by the amount of activated carbon in the first bank of canisters at saturation. The amount of OC emissions adsorbed by the first bank of canisters at saturation shall be calculated by multiplying the activity level, in pounds of OC adsorbed per pound of activated carbon, by the weight of activated carbon in the first bank of canisters.

[Authority for term: OAC rule 3745-77-07(C)(1)]

4. The permittee shall record the time and date of each carbon adsorber replacement and the calculated value of the retention of OC emissions (degree of saturation), as a percentage of the activity level as calculated above, immediately prior to replacement.

The permittee shall maintain records, supplied by the activated carbon manufacturer or vendor, that specify the activity level for each shipment of activated carbon purchased.

[Authority for term: OAC rule 3745-77-07(C)(1)]

5. 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

6. On each day when coating non-metal parts during which a photochemically reactive material is employed as a coating and/or cleanup material and the activated carbon unit is not used at all times, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. the name and identification number of each photochemically reactive cleanup material employed;

f. the number of gallons of each photochemically reactive cleanup material employed;

g. the organic compound content of each photochemically reactive cleanup material employed;

h. the total organic compound emission rate for all photochemically reactive cleanup materials (the summation of (f) x (g)) for each photochemically reactive cleanup material), in pounds per day;

i. On each day during which all coatings employed are baked, heat-cured, or heat-polymerized in the Line 2 Convection Bake Oven:

. i. the total uncontrolled organic compound emission rate from the spray booth stack for all coatings, in pounds per day. The total daily uncontrolled organic compound emission rate shall be calculated using the total potential daily organic compound emission rate from the paint spray booth for all coatings (d) multiplied by the maximum percentage of the emissions associated with the paint spray booth (as defined in section A.III.9 of this permit), in pounds per day.

. ii. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials (6.i.i)+(6.h), in pounds per day;

. iii. the total number of hours the emissions unit was in operation for such non-metal parts;

. iv. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.i.ii)/(6.i.iii), in pounds per hour (average); and

j. On each day when any of the coatings employed are not baked, heat-cured, or heat-polymerized in the Line 2 Convection Bake Oven:

. i. the total organic compound emission rate from the spray booth stack for all coatings and photochemically reactive cleanup materials shall be calculated as (d)+(h), in pounds per day;

. ii. the total number of hours the emissions unit was in operation for such non-metal parts; and

. iii. the average hourly organic compound emission rate from the paint spray booth for all coatings and photochemically reactive cleanup materials, i.e., (6.j.i)/(6.j.ii), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

7. On each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in the Line 2 Convection Bake Oven, the permittee shall collect and record the following information for such non-metal parts:

a. the name and identification number 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 for all coatings employed (the summation of (b)x(c) for each coating), in pounds per day;

e. 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 (d), multiplied by the maximum percentage of the emissions associated with the oven (as defined in section A.III.9 of this permit), in pounds per day;

f. the total number of hours the Line 2 Convection Bake Oven was in operation (this number should be the same as the actual number of hours spray booth #2-2 and/or spray booth #2-3 were in operation); and

g. the average hourly organic compound emission rate from the oven, i.e., (e)/(f), in pounds per hour (average).

[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.4 of this permit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C)(1)]

8. On each day when coating metal parts, the permittee shall collect and record the following information for such metal parts:

a. the name, coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, or coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09) and identification number of each coating, as applied;

b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and

c. the daily volume-weighted average VOC content of all coatings for each coating type (i.e. clear coat, extreme performance coating, coating dried at temperatures not exceeding 200 degrees F, and coating not regulated under (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09), as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2, in pounds of VOC per gallon of coating as applied.

[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.4 of this permit.]

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

9. For purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined, during the most recent emission test which demonstrated compliance (uncontrolled emissions), to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-77-07(C)(1)]

10. The permittee shall collect and record daily the following information for purposes of determining the total annual emissions from this emissions unit:

a. the company identification for each coating employed;

b. the number of gallons of each coating employed;

c. the organic compound and individual HAP content of each coating, in pounds per gallon;

d. the total organic compound emission rate for all coatings (b)x(c), in pounds per day;

e. the total individual HAP emission rate for all coatings (b)x(c) for each HAP, in pounds per day;

f. for each day during which the activated carbon unit is in operation at all times and:

. i. on any day in which the oven is in use, the total organic compound rate sent to the control device for all coatings, in pounds per day, calculated as the total organic compound emissions rate for all coatings (d), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. ii. on any day in which the oven is in use, the total individual HAPs rate sent to the control device for all coatings, in pounds per day, calculated as the total individual HAP emissions rate for all coatings (e), multiplied by the maximum percentage of emissions associated with the paint spray booth (as defined in section A.III.9 of this permit);

. iii. the calculated organic compound rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total organic compound emission rate for all coatings (d) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. (b) on any day in which the oven is used; the total organic compound rate sent to the control device for all coatings (10.f.i) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

. iv. the calculated individual HAP rate of control for all coatings, calculated as;

. (a) on any day in which the oven is not used; the total individual HAP rate for all coatings (e) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance; or

. (b) on any day in which the oven is used; the total individual HAP rate sent to the control device for all coatings (10.f.ii) multiplied by the overall control efficiency for the control equipment determined during the most recent stack test which demonstrated that the emissions unit was in compliance;

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

g. the company identification for each cleanup material employed;

h. the number of gallons of each cleanup material employed;

i. the organic compound and individual HAP content of each cleanup material employed, in pounds per gallon;

j. the total organic compound emission rate for all cleanup material employed (h)x(i), in pounds per day;

k. the total individual HAP emission rate for all cleanup material employed (h)x(i) for each HAP, in pounds per day;

l. the total organic compound emission rate for this emissions unit calculated as the summation of the organic compound emissions rates from all coatings and cleanup materials, less the calculated organic compound rate of control, (d) + (j) - (10.f.iii), in pounds per day; and

m. the total individual HAP emission rate for this emissions unit calculated as the summation of the individual HAP emissions rates from all coatings and cleanup materials, less the calculated individual HAP rate of control, (e) + (k) - (10.f.iv), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1)]

11. The permittee shall collect and record monthly the following information for purposes of determining the total annual emissions from this emissions unit:

a. the monthly total organic compound emission rate for this emissions unit calculated as the monthly summation of the total organic compound emissions rates in section A.III.10.l above, in pounds per day;

b. the monthly total individual HAP emission rate for this emissions unit calculated as the monthly summation of the individual HAP emissions rates in section A.III.10.m above, in pounds per day;

c. the monthly total HAP emission rate for this emissions unit calculated as a monthly summation of the individual HAP emissions rates (b) above, in pounds per day;

d. the rolling, 12-month total organic compound emission rate for this emissions unit calculated as a summation of the total organic compound emissions rates in (a) above, in tons per year;

e. the rolling, 12-month total individual HAP emission rate for this emissions unit calculated as a summation of the individual HAP emissions rates in (b) above, in tons per year; and

f. the rolling, 12-month total HAP emission rate for this emissions unit calculated as a summation of the HAP emissions rates (c) above, in tons per year;

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that include the following information:

a. identification of each daily record showing that the dry filtration system controlling the paint spray was not in service when the emissions unit was in operation;

b. identification of each daily record showing that the degree of saturation of the activated carbon immediately prior to adsorber replacement, exceeded 70% of the activity level established as a site-specific parameter;

c. identification of each day when coating non-metal parts during which a photochemically reactive material was employed and the activated carbon adsorption system was not in use at all times and:

. i. the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour. The report shall also include the actual average hourly controlled organic compound emissions for such day (as calculated in section A.III.6.i.iv or A.III.6.j.iii of this permit); and/or

. ii. the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day (as calculated in section A.III.6.i.ii or section A.III.6.j.i of this permit). The report shall also include the actual organic compound emissions for each such day; and

d. identification of each day when coating non-metal parts during which the coatings employed are baked, heat-cured, or heat-polymerized in an oven and:

. i. the average hourly organic compound emissions from the oven for such non-metal parts exceeded 3 pounds per hour (as calculated in section A.III.7.g). The report shall also include the actual average hourly organic compound emissions for each such day; and

. ii. the organic compound emissions from the oven for such non-metal parts exceeded 15 pounds per day (as calculated in section A.III.7.e). The report shall also include the actual organic compound emissions for each such day.

These deviation reports reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that, the volume-weighted average VOC content:

a. 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 (as calculated in section A.III.8.c);

b. for any extreme performance coatings used for metal parts exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c);

c. for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit, exceeded the applicable limitation of 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c); and

d. for any other coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts exceeded the applicable limitation of 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents (as calculated in section A.III.8.c).

IV. Reporting Requirements (continued)

The notification shall include a copy of each such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

The permittee shall also submit quarterly deviation (excursion) reports to the Toledo Division of Environmental Services that summarize the information above. These reports shall also identify the cause of the exceedance and an explanation of any corrective action taken to prevent similar exceedances in the future. These written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter (i.e., January-March, April-June, July-September, and October-December). If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report which states that no deviations occurred during that quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

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).

[Authority for term: OAC rule 3745-17-03(B)(1)]

1.b Emission Limitation:

0.551 pound per hour of particulate emissions

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

E = (M) (1-TE) (1-CE)

where:

E = particulate emission rate (lbs/hr);

M = maximum coating solids usage rate (lbs/hr);

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used; and

CE = control efficiency of the control equipment.

If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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).

[Authority for term: OAC rule 3745-17-03(B)(10)]

V. Testing Requirements (continued)

1.c Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day for each unit, as specified in section A.III of this permit. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, the permittee determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth.

[Authority for term: OAC rule 3745-21-10]

1.d Emission Limitation:

85% by weight reduction of organic materials
Applicable Compliance Method:

If required, compliance with the overall control efficiency limitation shall be demonstrated based upon the following emission testing for capture and control efficiencies:

i. the capture efficiency shall be determined using the Method 204 series, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement); and

ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with Method 25 or 25A, as appropriate, of 40 CFR Part 60, Appendix A and methods and procedures specified in OAC rule 3745-21-10(C). The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

1.e Emission Limitation:

4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any clear coating used for the metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.f Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any extreme performance coatings used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-21-10]

1.g Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coatings used for metal parts that are dried at temperatures not exceeding 200 degrees Fahrenheit

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

1.h Emission Limitation:

3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents for any coating not regulated under paragraphs (U)(1)(a) to (U)(1)(h) of OAC rule 3745-21-09 used for metal parts

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures of OAC rule 3745-21-10(B) and upon the daily record keeping requirements specified in section A.III.8. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.i Emission Limitations:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon daily record keeping of coating usage, organic compound content of each coating, and operating hours per day, as specified in section A.III.7. USEPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

Also, for purposes of calculating the organic compound emission rate for the paint spray booth and the associated oven, the permittee shall utilize the value determined during the most recent stack test which demonstrated compliance to be the maximum percentage of the organic compounds employed in the paint spray booth that are emitted uncontrolled from the paint spray booth. The remaining percentage of the organic compounds employed shall be considered to be the uncontrolled emissions for the associated oven.

[Authority for term: OAC rule 3745-21-10]

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months of issuance of this permit to demonstrate compliance with the overall control efficiency limitations for OC/VOC , to determine the booth/oven "split", and to demonstrate the performance of the continuous organic monitoring device.

b. The emission testing shall be conducted within 6 months prior to permit expiration to demonstrate compliance with the performance of the continuous organic monitoring device.

c. The test method(s) which must be employed to demonstrate compliance with the overall control efficiency limitation for OC/VOC and the booth/oven "split" are specified below:

. i. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's Guidelines for Determining Capture Efficiency" dated January 9, 1995. The booth/oven "split" is determined by the capture efficiency. The percent of emissions captured are the uncontrolled emissions emitted from the booth, and the percent of emissions not captured are assumed to be emitted by the oven.

. ii. the control efficiency (i.e. the percent reduction in mass emissions between the inlet and the outlet of the control system) shall be determined in accordance with the methods and procedures specified in OAC rule 3745-21-10 . The tests methods and procedures selected shall be based on a consideration of the diversity of the organic species present, the total concentration, and on a consideration of the potential presence of interfering gases.

. iii. the performance of the continuous organic monitoring device shall be demonstrated using the methods and procedures specified in Performance Specification 8 or 9 of 40 CFR Part 60, Appendix B.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Services's refusal to accept the results of the emission test(s).

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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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