



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

01/22/04

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

08-12-76-0220
Navistar Assembly Plant
Tim W. McDaniel CIH
6125 Urbana Road
P. O. Box 600
Springfield, OH 45502

Dear Tim W. McDaniel:

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

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

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

If you have any questions, please contact RAPCA.

Sincerely,

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

cc: RAPCA
File, DAPC PMU



State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: 01/22/04

Effective Date: 02/12/04

Expiration Date: 02/12/09

This document constitutes issuance of a Title V permit for Facility ID: 08-12-76-0220 to:
Navistar Assembly Plant
6125 Urbana Road
P. O. Box 600
Springfield, OH 45502

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

Table with 3 columns: Emissions Unit ID (Company ID), Emissions Unit Activity Description, and Emissions Unit Activity Description. Rows include B001, B002, B009, B010, B011, K013, K016, K017, K021, K026, K028, K036, K038, K045, and Z003.

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.

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

RAPCA
117 South Main Street
Dayton, OH 45422-1280
(937) 225-4435

OHIO ENVIRONMENTAL PROTECTION AGENCY

Handwritten signature of Christopher Jones
Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. *State and Federally Enforceable Section*

1. **Monitoring and Related Record Keeping and Reporting Requirements**

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, 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 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.

In accordance with OAC rule 3745-15-06, a malfunction 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 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 reports shall satisfy the requirements (in part) 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. OAC rule 3745-77-07(A)(3)(c) is not fully satisfied until the permittee addresses all other deviations of the federally enforceable requirements specified in the permit.

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 overrides 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 the requirements (in part) 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:**

Written reports that identify all other deviations of the federally enforceable requirements contained in this permit, including the 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 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.

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 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))

- 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.

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

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

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

8. Marketable Permit Programs

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

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

9. Reasonably Anticipated Operating Scenarios

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

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

10. Reopening for Cause

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

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

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

11. Federal and State Enforceability

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

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

12. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:
 - i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
 - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

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

13. Permit Shield

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

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

14. Operational Flexibility

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

air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).
(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

15. Emergencies

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

16. Off-Permit Changes

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

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.
- b. The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA. 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

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

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

19. Permit to Install Requirement

Prior to the “installation” or “modification” of any “air contaminant source,” as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31. *(Authority for term: OAC rule 3745-77-07(A)(1))*

20. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07. *(Authority for term: OAC rule 3745-77-07(A)(1))*

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 by the responsible official of the date on which the emissions unit was permanently shut down. Authorization to operate the affected part or activity of the stationary source shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

If 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 monitoring, record keeping, reporting, or testing 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.

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 quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

2. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

3. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

4. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

5. Permit Transfers

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

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

If no 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 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;
- 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; and
- 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 Enforcable Section

1. The permittee will be subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) Industrial, Commercial and Institutional Boilers, 40 CFR Part 63, Supart DDDDD. U.S. EPA failed to promulgate this standard by May 15, 2002, the Maximum Achievable Control Technology (MACT) hammer date. In accordance with 40 CFR Part 63, Subpart B (40 CFR Parts 63.50 through 63.56), the permittee shall submit an application to revise the permit to include equivalent emission limitations as a result of a case-by-case MACT determination. The application shall be submitted in two parts. The deadline to submit the Part I application, as specified in 40 CFR Part 63.53, was May 15, 2002.
2. If the final MACT standard is not promulgated by the deadline specified by U.S. EPA, the permittee shall submit the Part II application as specified in 40 CFR Part 63.53. The Part II application shall be submitted within 60 days after the deadline to promulgate the respective standard, as specified by the settlement between U.S. EPA and Sierra Club. It must contain the following information:
 - a. for a new affected source, the anticipated date of startup of operation;
 - b. the hazardous air pollutants (HAPs) emitted by each affected source in the relevant source category and an estimated total uncontrolled and controlled emission rate for HAPs from the affected source;
 - c. any existing federal, State, or local limitations or requirements applicable to the affected source;
 - d. for each affected emission point or group of affected emission points, an identification of control technology in place;
 - e. information relevant to establishing the MACT floor (or MACT emission limitation), and, at the option of the permittee, a recommended MACT floor; and
 - f. any other information reasonably needed by the permitting authority including, at the discretion of the permitting authority, information required pursuant to Subpart A of 40 CFR Part 63.

The Part II application for a MACT determination may, but is not required to, contain the following information:

- a. recommended emission limitations for the affected source and support information. (the permittee may recommend a specific design, equipment, work practice, or operational standard, or combination thereof, as an emission limitation);
 - b. a description of the control technologies that would be applied to meet the emission limitation, including technical information on the design, operation, size, estimated control efficiency and any other information deemed appropriate by the permitting authority, and identification of the affected sources to which the control technologies must be applied; and
 - c. relevant parameters to be monitored and frequency of monitoring to demonstrate continuous compliance with the MACT emission limitation over the applicable reporting period.
3. If the NESHAP is promulgated before the Part II application is due for the relevant source category, the permittee may be subject to the rule as an existing major source with a compliance date as specified in the NESHAP. If subject, the permittee shall submit the following notifications:

A. State and Federally Enforcable Section (continued)

a. Within 120 days after promulgation of 40 CFR Part 63, Subpart DDDDD the permittee shall submit an Initial Notification Report that contains the following information, in accordance with 40 CFR Part 63.9(b)(2):

- i. the name and mailing address of the permittee;
- ii. the physical location of the source if it is different from the mailing address;
- iii. identification of the relevant MACT standard and the source's compliance date;
- iv. a brief description of the nature, design, size, and method of operation of the source, and an identification of the types of emission points within the affected source subject to the relevant standard and the types of HAPs emitted; and
- v. a statement confirming the facility is a major source for HAPs.

Within 60 days following completion of any required compliance demonstration activity specified in 40 CFR Part 63, Subpart DDDDD, the permittee shall submit a notification of compliance status that contains the following information:

- i. the methods used to determine compliance;
- ii. the results of any performance tests, visible emission observations, continuous monitoring systems performance evaluations, and/or other monitoring procedures or methods that were conducted;
- iii. the methods that will be used for determining continuous compliance, including a description of monitoring and reporting requirements and test methods;
- iv. the type and quantity of HAPs emitted by the source, reported in units and averaging times in accordance with the test methods specified in 40 CFR Part 63, Subpart DDDDD;
- v. an analysis demonstrating whether the affected source is a major source or an area source;
- vi. a description of the air pollution control equipment or method for each emission point, including each control device or method for each HAP and the control efficiency (percent) for each control device or method; and
- vii. a statement of whether or not the permittee has complied with the requirements of 40 CFR Part 63, Subpart DDDDD.

A. State and Federally Enforcable Section (continued)

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

- B004 2.2 MMBtu/hour hot water heater
- B007 1.75 MMBtu/hour pump house boiler
- B008 8.369 MMBtu/hour natural gas and liquified petroleum gas fired boiler No. 1 (permit to install 08-1152)
- B012 3 - 0.563 MMBtu/hour tank farm boilers
- G002 Gasoline dispensing facility (permit to install 08-1793)
- K018 Lab sample spray painting (permit to install 08-1368)
- K025 Training paint booth and oven (permit to install 08-2192)
- K037 Black sealer line, dept 65
- K041 Heat shield sealing adhesive, dept 52 (permit to install 08-2607)
- K043 Wire Ink Coder (permit to install 08-4000)
- K044 W/S repair station (permit to install 08-4114)
- L001 Wheel bearing cold cleaner (permit to install 08-3003)
- L002 Air tool repair parts washer (permit to install 08-2206)
- L003 Tool room parts washer (permit to install 08-2206)
- L004 Tool room parts washer (permit to install 08-2206)
- L005 Electrical department parts washer
- L006 K38 parts washer
- L007 K39 parts washer
- L008 Solvent wash cold cleaner (permit to install 08-2333)
- L009 Garage parts washer M-40 (permit to install 08-2297)
- L011 Dept. 82 mineral spirits tank
- L016 Cold cleaner, dept 92 (permit to install 08-2444)
- L017 Cold cleaner maintenance paint booth, dept 82 (permit to install 08-2444)
- L021 Chassis island cold cleaner, dept 93 (permit to install 08-2443)
- L022 Equipment repair cold cleaner, dept 67 FPF (permit to install 08-2443)
- L027 Cold cleaner, dept 82 (permit to install 08-2604)
- P016 Plasma arc welding booth, dept 51 (permit to install 08-1368)
- P018 Steam Jenny Nos 1 and 2 (permit to install 08-2187)
- P019 Radial arm saw (permit to install 08-2187)
- P020 Windshield washer tank filling
- P021 Caustic cleaner (permit to install 08-2444)
- P025 W/S frame clean and prep (permit to install 08-04114)

- T017 8,000 gallon brake fluid tank (permit to install 08-1793)
- T019 8,000 gallon power steering fluid tank (permit to install 08-1793)
- T020 8,000 gallon waste mineral spirits tank (permit to install 08-1793)
- T021 8,000 gallon waste oil tank (permit to install 08-1854)
- T022 10,000 gallon chassis black tank (permit to install 08-1854)
- T024 10,000 gallon mineral oil tank (permit to install 08-1854)
- T025 10,000 gallon transmission fluid tank (permit to install 08-1854)
- T026 12,000 gallon crank case lube tank (permit to install 08-1854)
- T027 12,000 gallon antifreeze tank (permit to install 08-1854)
- T028 12,000 gallon waste paint and solvents tank (permit to install 08-1854)
- T029 12,000 gallon waste paint and solvents tank (permit to install 08-1854)
- T030 12,000 gallon gear lube tank (permit to install 08-1854)

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, and 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.

A. State and Federally Enforcable Section (continued)

5. The following emissions units located at this facility are subject to 40 CFR, Part 63, Subpart Mmmm-- Miscellaneous Metal Parts and Products Surface Coating (see attached):

K013, K016, K017, K021, K026, K028, K038, and K045

All of the requirements of Subpart Mmmm are specified in Attachment A. Ordinarily, these requirements would be incorporated into Part II of this Title V permit.; however, incorporating Subpart Mmmm (which is only available in PDF format) into Part II of this Title V permit was not possible. Numerous difficulties were encountered in attempting to copy and paste from a PDF format into STARS format.

6. The following emissions units located at this facility are subject to 40 CFR, Part 63, Subpart Pppp-- Plastic Parts Surface Coating (see attached):

K013, K021, and K028

All of the requirements of Subpart Pppp are specified in Attachment B. Ordinarily, these requirements would be incorporated into Part II of this Title V permit.; however, incorporating Subpart Pppp (which is only available in PDF format) into Part II of this Title V permit was not possible. Numerous difficulties were encountered in attempting to copy and paste from a PDF format into STARS format.

B. State Only Enforceable Section

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

Z004 Tank farm back-up generator
Z005 WWTP back-up generator
Z006 Firewater pump, south
Z007 Firewater pump, north
Z008 Tank farm load/unload
Z012 Diesel operations
Z013 Fiberglass repair, dept 90
Z014 Paint distribution center, dept 90
Z015 Welding operations
Z016 Final assembly fluid filling operations
Z017 Engineering development center
Z018 Truck "hospital"
Z019 Repair stations
Z020 Engine testing
Z021 "Doll-up" line 1, dept 92
Z022 "Doll-up" line 2, dept 92
Z023 "Doll-up" line 3, dept 92
Z024 WWTP operations
Z025 Spot coating
Z027 CAS sealer operations
Z028 Domestic hot water heaters
Z029 Barrel dock heaters

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER NO. 1 (B001)
Activity Description: Natural Gas and LPG-fired Boiler; 30 MMBTUH

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
30 mmBtu/hr, natural gas, landfill methane gas, and/or liquified petroleum gas (LPG) boiler No. 1	OAC rule 3745-17-10 (B)(1)	0.020 pound of particulate emissions (PE) per mmBtu actual heat input
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- 2.a Since natural gas, landfill methane gas, and LPG are the only fuels fired in this emissions unit, no SO₂ emission limitation is established by OAC Chapter 3745-18 for this emissions unit.

II. Operational Restrictions

1. The permittee shall burn only natural gas, landfill methane gas and/or LPG in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, landfill methane gas and/or LPG, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, landfill methane gas, and/or LPG was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

- 1.a** Emission Limitation -
0.020 pound of PE per mmBtu actual heat input

Applicable Compliance Method -

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

For the use of LPG, compliance may be determined by multiplying the maximum LPG capacity of the emissions unit (331 gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (0.6 lb PE/1000 gallons), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

If required, the permittee shall demonstrate compliance with the lbs/mmBtu limitation above in accordance with OAC rule 3745-17-03(B)(9).

- 1.b** Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER NO. 2 (B002)
Activity Description: Natural Gas and LPG-fired Boiler; 30 MMBTUH

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
30 mmBtu/hr, natural gas, landfill methane gas, and/or liquified petroleum gas (LPG) boiler No. 2	OAC rule 3745-17-10 (B)(1)	0.020 pound of particulate emissions (PE) per mmBtu actual heat input
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- 2.a Since natural gas, landfill methane gas, and LPG are the only fuels fired in this emissions unit, no SO₂ emission limitation is established by OAC Chapter 3745-18 for this emissions unit.

II. Operational Restrictions

1. The permittee shall burn only natural gas, landfill methane gas and/or LPG in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, landfill methane gas and/or LPG, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, landfill methane gas, and/or LPG was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

- 1.a** Emission Limitation -
0.020 pound of PE per mmBtu actual heat input

Applicable Compliance Method -

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

For the use of LPG, compliance may be determined by multiplying the maximum LPG capacity of the emissions unit (331 gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (0.6 lb PE/1000 gallons), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

If required, the permittee shall demonstrate compliance with the lbs/mmBtu limitation above in accordance with OAC rule 3745-17-03(B)(9).

- 1.b** Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MILD WEATHER BOILER NO. 2 (B009)
Activity Description: Natural Gas and LPG-fired Boiler; 14.645 MMBTUH

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
14.7 mmBtu/hr, natural gas, landfill gas, and/or liquified petroleum gas (LPG) boiler No. 2	OAC rule 3745-31-05(A)(3) PTI 08-1152	0.40 TPY particulate emissions (PE) 8.98 TPY nitrogen oxides (NOx) 2.24 TPY carbon monoxide (CO)
	OAC rule 3745-17-10(B)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B), 3745-23-06(B) and 3745-21-08(B).
	OAC rule 3745-17-07(A)	0.020 pound of particulate emissions (PE) per mmBtu actual heat input Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.
	OAC rule 3745-23-06(B) OAC rule 3745-21-08(B)	See A.I.2.c.

2. Additional Terms and Conditions

- 2.a The 0.40 TPY PE, 8.98 TPY NOx, and 2.24 TPY CO limits were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with these limits.
- 2.b Since natural gas, landfill methane gas and LPG are the only fuels fired in this emissions unit, no SO2 emission limitation is established by OAC Chapter 3745-18 for this emissions unit.

2. Additional Terms and Conditions (continued)

- 2.c** The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-23-06 (B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 (A) (3) in Permit to Install 08-1152.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

II. Operational Restrictions

1. The permittee shall burn only natural gas, landfill methane gas and/or LPG in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, landfill methane gas and/or LPG, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or LPG was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation -
0.020 pound of PE per mmBtu actual heat input

Applicable Compliance Method -

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

For the use of LPG, compliance may be determined by multiplying the maximum LPG capacity of the emissions unit (331 gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (0.6 lb PE/1000 gallons), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

If required, the permittee shall demonstrate compliance with the lbs/mmBtu limitation above in accordance with OAC rule 3745-17-03(B)(9).

- 1.b Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

- 1.c** Emission Limitation -
8.98 TPY NO_x

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly LPG burning capacity of the emissions unit (gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (21 lbs NO_x/1000 gallons of LPG) and multiplying by 8,760, and then dividing by 2000.

- 1.d** Emission Limitation -
0.40 TPY PE

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly LPG burning capacity of the emissions unit (gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (0.6 lb PE (filterable)/1000 gallons of LPG) and multiplying by 8,760, and then dividing by 2000.

- 1.e** Emission Limitation -
2.24 TPY CO

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-1 (revised 7/98) emission factor for natural gas (84 lbs CO/mm cubic feet) and multiplying by 8,760, and then dividing by 2000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: E-COAT PRETREATMENT BOILER LINE 1 (B010)

Activity Description: Natural Gas and LPG-fired Boiler; 14.649 MMBTUH

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
14.7 mmBtu/hour E-coat, natural gas, landfill methane gas, and/or liquified petroleum gas (LPG) boiler No. 1	OAC rule 3745-31-05(A)(3) PTI 08-3410	1.30 TPY particulate emissions (PE); 0.01 lb/hour and 0.04 TPY sulfur dioxide (SO ₂); 2.1 lbs/hour and 9.20 TPY nitrogen oxides (NO _x); 0.6 lb/hour and 2.60 TPY carbon monoxide (CO); 0.10 lb/hour and 0.40 TPY organic compounds
	OAC rule 3745-17-10 (B)(1)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B), 3745-23-06(B) and 3745-21-08(B). 0.020 pound PE per mmBtu actual heat input
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.
	OAC rule 3745-23-06(B) OAC rule 3745-21-08(B)	See A.I.2.c.

2. Additional Terms and Conditions

- 2.a The 0.01 lb SO₂/hour, 2.1 lbs NO_x/hour, 0.6 lb CO/hour, and 0.10 lb OC/hour, 1.30 TPY PE, 0.04 TPY SO₂, 9.20 TPY NO_x, 2.60 TPY CO, and 0.40 TPY OC limits were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop, monitoring, record keeping and reporting requirements to ensure compliance with these limits.
- 2.b Since natural gas, landfill methane gas, and LPG are the only fuels fired in this emissions unit, no SO₂ emission limitation is established by OAC Chapter 3745-18 for this emissions unit.

2. Additional Terms and Conditions (continued)

- 2.c** The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-23-06 (B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 (A) (3) in Permit to Install 08-3410.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

II. Operational Restrictions

1. The permittee shall burn only natural gas, landfill methane gas, and/or LPG in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, landfill methane gas, and/or LPG, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, landfill methane gas, and/or LPG was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a** Emission Limitation -
0.020 pound of PE per mmBtu actual heat input

Applicable Compliance Method -

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

For the use of LPG, compliance may be determined by multiplying the maximum LPG capacity of the emissions unit (331 gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (0.6 lb PE/1000 gallons), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

If required, the permittee shall demonstrate compliance with the lbs/mmBtu limitation above in accordance with OAC rule 3745-17-03(B)(9).

- 1.b** Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

- 1.c** Emission Limitation -
1.30 TPY PE

Applicable Compliance Method -

As long as compliance is maintained with the 0.020 lb PE/mmBtu emission limitation, compliance with the annual emission limitation shall be shown [the annual emission limitation was calculated by multiplying the 0.020 lb PE/mmBtu limitation by the emissions unit's maximum heat input capacity (mmBtu/hr), and then multiplying by 8760 and dividing by 2000].

- 1.d** Emission Limitation -
9.20 TPY NO_x

Applicable Compliance Method -

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

- 1.e** Emission Limitation -
2.60 TPY CO

Applicable Compliance Method -

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

- 1.f** Emission Limitation -
0.01 lb/hour SO₂

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (0.6 lb SO₂/mm cubic feet).

If required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4 and 6.

- 1.g** Emission Limitation -
0.04 TPY SO₂

Applicable Compliance Method -

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

- 1.h** Emission Limitation -
2.1 lbs/hour NO_x

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly LPG burning capacity of the emissions unit (gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (21 lbs NO_x/1000 gallons of LPG).

If required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4 and 7.

V. Testing Requirements (continued)

- 1.i** Emission Limitation -
0.6 lb/hour CO

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-1 (revised 7/98) emission factor for natural gas (84 lbs CO/mm cubic feet).

If required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4 and 10.

- 1.j** Emission Limitation -
0.10 lb/hour OC

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly LPG burning capacity of the emissions unit (gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (0.6 lb OC/1000 gallons of LPG).

If required, the permittee shall demonstrate compliance in accordance with 40 CFR, Part 60, Appendix A, Methods 18, 25, or 25A, as appropriate.

- 1.k** Emission Limitation -
0.40 TPY OC

Applicable Compliance Method -

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: E-COAT HOT WATER BOILER NO. 2 (B011)
Activity Description: Natural Gas and LPG-fired Boiler; 14.7 MMBTUH

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
14.7 mmBtu/hour E-coat, natural gas, landfill methane gas, and/or liquified petroleum gas (LPG) boiler No. 2	OAC rule 3745-31-05(A)(3) PTI 08-3410	1.30 TPY particulate emissions (PE); 0.01 lb/hour and 0.04 TPY sulfur dioxide (SO ₂); 2.1 lbs/hour and 9.20 TPY nitrogen oxides (NO _x); 0.6 lb/hour and 2.60 TPY carbon monoxide (CO); 0.10 lb/hour and 0.40 TPY organic compounds
	OAC rule 3745-17-10 (B)(1)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B), 3745-23-06(B) and 3745-21-08(B). 0.020 pound PE per mmBtu actual heat input
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.
	OAC rule 3745-23-06(B) OAC rule 3745-21-08(B)	See A.I.2.c.

2. Additional Terms and Conditions

- The 0.01 lb SO₂/hour, 2.1 lbs NO_x/hour, 0.6 lb CO/hour, and 0.10 lb OC/hour, 1.30 TPY PE, 0.04 TPY SO₂, 9.20 TPY NO_x, 2.60 TPY CO, and 0.40 TPY OC limits were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop, monitoring, record keeping and reporting requirements to ensure compliance with these limits.
- Since natural gas, landfill methane gas, and LPG are the only fuels fired in this emissions unit, no SO₂ emission limitation is established by OAC Chapter 3745-18 for this emissions unit.

2. Additional Terms and Conditions (continued)

- 2.c** The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-23-06 (B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 (A) (3) in Permit to Install 08-3410.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

II. Operational Restrictions

1. The permittee shall burn only natural gas, landfill methane gas, and/or LPG in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, landfill methane gas, and/or LPG, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, landfill methane gas, and/or LPG was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation -
0.020 pound of PE per mmBtu actual heat input

Applicable Compliance Method -

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

For the use of LPG, compliance may be determined by multiplying the maximum LPG capacity of the emissions unit (331 gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (0.6 lb PE/1000 gallons), and then dividing by the maximum hourly heat input capacity of the emissions unit (mmBtu/hour).

If required, the permittee shall demonstrate compliance with the lbs/mmBtu limitation above in accordance with OAC rule 3745-17-03(B)(9).

- 1.b Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

- 1.c** Emission Limitation -
1.30 TPY PE

Applicable Compliance Method -

As long as compliance is maintained with the 0.020 lb PE/mmBtu emission limitation, compliance with the annual emission limitation shall be shown [the annual emission limitation was calculated by multiplying the 0.020 lb PE/mmBtu limitation by the emissions unit's maximum heat input capacity (mmBtu/hr), and then multiplying by 8760 and dividing by 2000].

- 1.d** Emission Limitation -
9.20 TPY NO_x

Applicable Compliance Method -

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

- 1.e** Emission Limitation -
2.60 TPY CO

Applicable Compliance Method -

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

- 1.f** Emission Limitation -
0.01 lb/hour SO₂

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (0.6 lb SO₂/mm cubic feet).

If required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4 and 6.

- 1.g** Emission Limitation -
0.04 TPY SO₂

Applicable Compliance Method -

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

- 1.h** Emission Limitation -
2.1 lbs/hour NO_x

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly LPG burning capacity of the emissions unit (gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (21 lbs NO_x/1000 gallons of LPG).

If required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4 and 7.

V. Testing Requirements (continued)

- 1.i** Emission Limitation -
0.6 lb/hour CO

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-1 (revised 7/98) emission factor for natural gas (84 lbs CO/mm cubic feet).

If required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4 and 10.

- 1.j** Emission Limitation -
0.10 lb/hour OC

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly LPG burning capacity of the emissions unit (gallons/hour) by the AP-42, Table 1.5-1 (revised 10/96) emission factor for LPG (0.6 lb OC/1000 gallons of LPG).

If required, the permittee shall demonstrate compliance in accordance with 40 CFR, Part 60, Appendix A, Methods 18, 25, or 25A, as appropriate.

- 1.k** Emission Limitation -
0.40 TPY OC

Applicable Compliance Method -

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: ROADWAYS AND PARKING AREAS (F001)

Activity Description: Vehicle traffic on secured, private roadways and parking areas which can result in fugitive particulate emissions

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paved roadways and parking areas (existing)	OAC rule 3745-17-08	None, refer to section A.1.2.a of the terms and conditions of this permit.
	OAC rule 3745-17-07(B)	None, refer to section A.1.2.b of the terms and conditions of this permit.

2. **Additional Terms and Conditions**

- 2.a This emissions unit is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), OAC rule 3745-17-08(B) does not apply to this fugitive dust source.
- 2.b Because OAC rule 3745-17-08(B) is not applicable, this emissions unit is exempt from the visible particulate emissions (PE) limitation specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(d).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: DEPARTMENT 92 REPAIR PAINT BOOTHS AND OVENS (K013)

Activity Description: Surface coating of miscellaneous trucks and component parts (metal and plastic) for repair, touch-up, and final operations

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
miscellaneous metal parts coating, D92 repair booth (K013)	40 CFR 52.1870(c)(89)(i)(A) [variance]	3.81 volatile organic compounds (VOC)/gallon of coating applied, excluding water and exempt solvents, as a daily, volume-weighted average (See A.I.2.a.)
		90.4 lbs/day VOC; and 14.11 TPY VOC
	OAC rule 3745-17-11(B)(1)	0.75 lb/hour particulate emissions (PE)
	OAC rule 3745-17-10(B)	0.020 lb PE/mmBtu of actual heat input (for the oven associated with this emissions unit)
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20% from the booth and oven stacks, as a six-minute average, except as provided by rule.
	40 CFR, Part 63, Subpart MMMM	See the Terms and Conditions in Part II of this permit.
	40 CFR, Part 63, Subpart PPPP	See the Terms and Conditions in Part II of this permit.

2. Additional Terms and Conditions

- 2.a In lieu of the requirements of OAC rule 3745-21-09(U)(1)(c), the VOC content of all coatings employed in this emissions unit shall not exceed 3.81 pounds VOC per gallon of coating applied, excluding water and exempt solvents, as a daily, volume-weighted average of all coatings employed in any one day.

II. Operational Restrictions

1. The maximum daily coating usage, excluding water and exempt solvents, for this emissions unit shall not exceed 23.7 gallons.
2. The maximum annual coating usage, excluding water and exempt solvents, for this emissions unit shall not exceed 7,415 gallons, as a rolling, 365-day summation.

II. Operational Restrictions (continued)

3. The permittee shall operate the water curtain whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. The name and identification number of each coating, as applied.
 - b. The VOC content, excluding water and exempt solvents, of each coating as applied, in pounds per gallon.
 - c. The number of gallons, excluding water and exempt solvents, of each coating, as applied.
 - d. The total number of gallons, excluding water and exempt solvents, of all coatings, as applied.
 - e. The daily, volume-weighted average VOC content of all the coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for Cvoc2.
 - f. The total VOC emission rate for all the coatings, as applied, in pounds.
 - g. The rolling, 365-day summation of the coating usage, excluding water and exempt solvents, for all the coatings employed, in gallons.

[If only compliant coatings are employed in this emissions unit, the permittee does not have to calculate a daily, volume-weighted average VOC content for all the coatings employed.]

2. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit annual reports that summarize the total actual annual number of gallons coatings employed and the total actual annual VOC emissions, in tons, for this emissions unit. These reports shall be submitted by the January 31st of each year and shall cover the previous calendar year.
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the daily, volume-weighted average VOC content exceeded the applicable limitation of 3.81 lbs/gallon, excluding water and exempt solvents. This notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which the daily VOC emission limitation of 90.4 pounds, the daily coating usage restriction of 23.7 gallons, and/or the rolling, 365-day coating usage restriction of 7,415 gallons were exceeded, as well as the corrective action(s) taken to achieve compliance.
4. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the water curtain was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.
5. The quarterly deviation reports shall be submitted in accordance with Paragraph A.1.c.ii of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

- 1.a** Emission Limitation -
3.81 lbs VOC/gallon, excluding water and exempt solvents, as a daily, volume-weighted average

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

In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings.

- 1.b** Emission Limitation -
90.4 lbs VOC/day

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

- 1.c** Emission Limitation -
14.11 TPY VOC

Applicable Compliance Method -
Compliance shall be based upon the record keeping requirements specified in A.III.1 and shall be the sum of the daily VOC emission rates for the calendar year, divided by 2,000.

- 1.d** Emission Limitation -
0.75 lb/hour PE

Applicable Compliance Method -
To determine the actual worst case emissions rate for particulates, the following equation may be used:

$E = \text{maximum coating solids usage rate, in pounds per hour} \times (1 - TE) \times (1 - CE)$

$E = \text{PE rate (lbs/hour)}$

$TE = \text{transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used}$

$CE = \text{control efficiency of the control equipment}$

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

- 1.e** Emission Limitation -
0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method -
Compliance may be determined by multiplying the maximum hourly natural gas burning capacity of the oven associated with this emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the oven associated with this emissions unit (mmBtu/hour).

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(9).

V. Testing Requirements (continued)

- 1.f** Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.
- Applicable Compliance Method -
If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).
- 1.g** Emission Limitation -
23.7 gallons/day coating usage, excluding water and exempt solvents
- Applicable Compliance Method -
Compliance shall be based upon the record keeping requirements specified in A.III.1 of this permit.
- 1.h** Emission Limitation -
7,415 gallons coating usage, excluding water and exempt solvents, as a rolling 365-day summation
- Applicable Compliance Method -
Compliance shall be based upon the record keeping requirements specified in A.III.1 of this permit.
- 2.** On an annual basis, the permittee shall use USEPA Method 24 to determine the VOC contents for all of the coatings employed. If, pursuant to section 4.3 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.

VI. Miscellaneous Requirements

- 1.** The permittee shall pursue a coating reformulation program to develop coatings that, when employed, will cause this emissions unit to emit no more than 3.5 lbs VOC/gallon, excluding water and exempt solvents, based on a daily, volume-weighted average of all the coatings employed in this emissions unit in any one day. Annual reports which document this on-going research and development shall be submitted to the Director (appropriate Ohio EPA District Office or local air agency) by February 1 of each year. The reports shall contain, at a minimum, letters from coating suppliers, outlining current efforts, results of any trial coating application, and any projected use of an alternative coating. Upon successful trial of a new coating, the permittee shall expeditiously begin to utilize the lower VOC content coating.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: LINE NO. 1 CHASSIS BOOTH (K016)
Activity Description: Truck chassis surface coating spray booth

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
miscellaneous metal parts coating line chassis No.1, with flash-off oven	OAC rule 3745-21-09 (U)(1)(c)	3.5 pounds volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, as a daily, volume-weighted average
	OAC rule 3745-17-10(B)	0.020 lb particulate emissions (PE)/mmBtu of actual heat input (for the oven associated with this emissions unit)
	OAC rule 3745-17-11(B)(1)	5.75 lbs/hour PE
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20% from the booth and oven stacks, as a six-minute average, except as provided by rule.
	40 CFR, Part 63, Subpart M	See the Terms and Conditions in Part II of this permit.

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The permittee shall operate the water curtain whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

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

[If only compliant coatings are employed in this emissions unit, the permittee does not have to calculate a daily, volume-weighted average VOC content for all the coatings employed.]

2. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the daily, volume-weighted average VOC content exceeded the applicable limitation of 3.5 pounds/gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the water curtain was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitation in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emission Limitation -
3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, as a daily, volume-weighted average

Applicable Compliance Method -

Compliance shall be based upon the record keeping requirements specified in A.III.1 of this permit.

In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

V. Testing Requirements (continued)

- 1.b** Emission Limitation -
5.75 lbs/hour PE

Applicable Compliance Method -

To determine the actual worst case emissions rate for particulates, the following equation may be used:

$E = \text{maximum coating solids usage rate, in pounds per hour} \times (1 - TE) \times (1 - CE)$

E = PE rate (lbs/hour)

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

CE = control efficiency of the control equipment

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

- 1.c** Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

- 1.d** Emission Limitation -
0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly natural gas burning capacity of the oven associated with this emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the oven associated with this emissions unit (mmBtu/hour).

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(9).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: LINE NO. 2 CHASSIS BOOTH (K017)
Activity Description: Truck chassis surface coating spray booth

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
miscellaneous metal parts coating line chassis No.2, with flash-off oven	OAC rule 3745-21-09 (U)(1)(c)	3.5 pounds volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents, as a daily, volume-weighted average
	OAC rule 3745-17-10(B)	0.020 lb particulate emissions (PE)/mmBtu of actual heat input (for the oven associated with this emissions unit)
	OAC rule 3745-17-11(B)(1)	5.75 lbs/hour PE
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20% from the booth and oven stacks, as a six-minute average, except as provided by rule.
	40 CFR, Part 63, Subpart M	See the Terms and Conditions in Part II of this permit.

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The permittee shall operate the water curtain whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the line:
 - a. The name and identification number of each coating, as applied.
 - b. The VOC content (in lbs/gallon, excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
 - c. The daily, volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for C voc,2.
2. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the daily, volume-weighted average VOC content exceeded the applicable limitation of 3.5 pounds/gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the water curtain was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitation in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emission Limitation -
3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, as a daily, volume-weighted average

Applicable Compliance Method -

Compliance shall be based upon the record keeping requirements specified in A.III.1 of this permit.

In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

V. Testing Requirements (continued)

- 1.b** Emission Limitation -
5.75 lbs/hour PE

Applicable Compliance Method -

To determine the actual worst case emissions rate for particulates, the following equation may be used:

$E = \text{maximum coating solids usage rate, in pounds per hour} \times (1 - TE) \times (1 - CE)$

E = PE rate (lbs/hour)

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

CE = control efficiency of the control equipment

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

- 1.c** Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

- 1.d** Emission Limitation -
0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly natural gas burning capacity of the oven associated with this emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the oven associated with this emissions unit (mmBtu/hour).

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(9).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: TOP COAT LINES 157 & 158 (K021)

Activity Description: Surface Coating LineS and Ovens for Medium- and Heavy-duty Trucks (metal and plastics) - [Formerly K021 & K022]

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
miscellaneous metal parts coating line; medium and heavy duty trucks; topcoat line Nos.157 and 158, with bake-oven; with thermal incinerator	OAC rule 3745-31-05 PTI 08-3475	minimum 85.5% overall volatile organic compounds (VOC) control efficiency, from the coating line minimum 90% destruction efficiency, for the thermal incinerator 34.58 lbs/hour and 553.24 lbs/day VOC, including primer coatings 66.40 TPY VOC, as a rolling, 365-day summation, including primer coatings 6.10 lbs VOC/gallon of primer, excluding water and exempt solvents, as a daily, volume-weighted average

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
		3.50 lbs VOC/gallon of clear coat, excluding water and exempt solvents, as a daily, volume-weighted average
		4.68 lbs VOC/gallon of coating, excluding water and exempt solvents, as a daily, volume-weighted average for all the coatings employed, excluding primer and clear coatings
		4.15 lbs VOC/gallon of coating, excluding water and exempt solvents, as a daily, volume-weighted average for all the coatings employed, excluding primer coatings
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B), 3745-23-06(B) and 3745-21-08(B) and 40 CFR, Part 63, Subpart PPPP and 40 CFR, Part 63, Subpart MMMM.
	OAC rule 3745-17-10(B)	0.020 lb particulate emissions (PE)/mmBtu of actual heat input (for the oven associated with this emissions unit)
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.
	OAC rule 3745-21-09(B)(6)	The control requirements specified by this rule are less stringent than the control requirements established pursuant to OAC rule 3745-31-05(A).
	OAC rule 3745-23-06(B) OAC rule 3745-21-08(B)	See A.I.2.c (for the oven associated with this emissions unit)
	40 CFR, Part 63, Subpart MMMM	See the Terms and Conditions in Part II of this permit.
	40 CFR, Part 63, Subpart PPPP	See the Terms and Conditions in Part II of this permit.

2. Additional Terms and Conditions

- 2.a** All VOC emissions from the booth and flash areas shall be vented to the thermal incinerator, except for VOC emissions resulting from the application of primer coatings.
- 2.b** The enclosure associated with this emissions unit is not a permanent total enclosure, as defined in 40 CFR Part 51, Appendix M, Method 204.

2. Additional Terms and Conditions (continued)

- 2.c** The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-23-06 (B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 (A) (3) in Permit to Install 08-3475.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

II. Operational Restrictions

1. The enclosure associated with this emissions unit shall be maintained under negative pressure when the emissions unit is in operation. The direction of the air flow through all natural draft openings shall be into the enclosure.
2. The average temperature of the combustion chamber within the thermal incinerator, for any 3-hour period of operation when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance. The most recent emissions test that demonstrated compliance was conducted on September 16, 1998 with an average combustion chamber temperature of 1600 degrees Fahrenheit. This combustion chamber temperature is subject to revision, if during the term of this permit, additional stack tests are conducted that demonstrated the emissions unit is in compliance.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information for each day for the thermal incinerator:
 - a. A log of the downtime for the capture (collection) system, control device and monitoring equipment when the associated emissions unit was in operation.
 - b. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average combustion temperature measured during the most recent emission test that demonstrated that the emissions unit was in compliance.

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

3. The permittee shall collect and record the following information each day for the coating line:
 - a. The name, identification number and type (i.e., primer, clear, ...etc) of each coating, as applied.
 - b. The VOC content of each coating, as applied, in pounds per gallon of coating, excluding water and exempt solvents.
 - c. The number of gallons of each coating employed, excluding water and exempt solvents.
 - d. The volume-weighted average VOC content, in pounds per gallon of coating, excluding water and exempt solvents, for all the primer coatings.
 - e. The volume-weighted average VOC content, in pounds per gallon of coating, excluding water and exempt solvents, for all the clear coatings.
 - f. The volume-weighted average VOC content, in pounds per gallon of coating, excluding water and exempt solvents, for all the coatings, excluding primer and clear coatings.
 - g. The volume-weighted average VOC content, in pounds per gallon of coating, excluding water and exempt solvents, for all the coatings, excluding primer coatings.
 - h. The total uncontrolled VOC emissions for all the coatings employed, excluding primer, in pounds or tons.
 - i. The total VOC emissions for all the primer coatings employed, in pounds or tons.
 - j. The calculated, controlled VOC emission rate for all the coatings, excluding primer, in pounds or tons per day. The controlled VOC emission rate shall be calculated using the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance. (The last emissions test was conducted in September 16, 1998 with an overall control efficiency of 89.2 percent. Until additional tests are conducted the overall control efficiency factor shall be 1 - 0.892.)
 - k. The total daily VOC emission rate, in pounds or tons, i.e., (i) + (j)
 - l. The number of hours the emissions unit was in operation.
 - m. The average hourly VOC emission rate, in pounds per hour, i.e., (k)/(l).
 - n. The rolling, 365-day summation of the VOC emission rate, in tons, for all the coatings (including primer coatings).

[If only compliant coatings are employed in this emissions unit, the permittee does not have to calculate a daily, volume-weighted average VOC content for all the coatings employed.]

4. The permittee shall collect and record each month the amount of purge solvent employed and the amount of emissions from the purge solvent, in pounds or tons. The amount emitted shall be calculated using an AP-42 emission factor of 1.42 pounds of VOC emissions per ton of solvent, from Table 4.7-1, and the overall control efficiency determined from the most recent emission test that demonstrated that the emissions unit was in compliance.
5. The permittee shall operate and maintain magnehelics which measure the pressure in each zone of each airhouse. The magnehelics shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals with any modifications deemed necessary by the permittee.
6. Streamers shall be employed to demonstrate that the air flow through the natural draft openings is into the enclosure, when the emissions unit is in operation.

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

7. The permittee shall record the following information for each day when the emissions unit is in operation:
 - a. The direction of air flow through the natural draft openings shall be documented once per shift based upon visual inspections of the streamers, i.e., into or out of the enclosure.
 - b. The pressure in each zone of each airhouse associated with this emissions unit shall be documented once per shift, in inches of water.
 - c. A log of the downtime for the capture (collection) system, control device, and monitoring equipment when the emissions unit is in operation.
8. The permittee shall conduct negative pressure verification tests through the use of smoke tubes during any required emission testing conducted in accordance with methods and procedures as specified in Section A.V.2 of this permit.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following:
 - a. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator was more than 50 degrees Fahrenheit below the average temperature measured during the most recent emission test that demonstrated that the emissions unit was in compliance.
 - b. All exceedances of the average hourly VOC emission limitation of 34.58 pounds.
 - c. All exceedances of the daily VOC emission limitation of 553.24 pounds.
 - d. All exceedances of the rolling, 365-day VOC emission limitation of 66.4 tons.

These quarterly deviation reports shall be submitted in accordance with Paragraph A.1.c.ii of the General Terms and Conditions of this permit.

2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that any of the daily, volume-weighted average VOC contents exceeded the applicable limitations specified in section A.I.1 of this permit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
3. The permittee shall submit to the Director (the appropriate Ohio EPA District Office or local air agency) quarterly summaries that include the following:
 - a. A log of the downtime for the capture (collection) system, control device and monitoring equipment when the associated emissions unit was in operation.
 - b. All periods of time, when the emissions unit was in operation, during which the air flow through the natural draft openings was not maintained into the enclosure.
 - c. All periods of time, when the emissions unit was in operation, during which the pressure in each zone of each air house was not negative.

These quarterly reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

- 1.a** Emission Limitation -
34.58 lbs VOC/hour

Applicable Compliance Method -

Compliance shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

If required, the permittee shall demonstrate compliance in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

- 1.b** Emission Limitation -
553.24 lbs VOC/day

Applicable Compliance Method -

Compliance shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- 1.c** Emission Limitation -
66.40 TPY VOC, as a rolling, 365-day limit

Applicable Compliance Method -

Compliance shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- 1.d** Emission Limitations -
minimum 85.5% overall VOC control efficiency, from the coating line
minimum 90% destruction efficiency, for the thermal incinerator

Applicable Compliance Method -

Compliance with the control and capture efficiency requirements above shall be based on the results of stack testing conducted in accordance with OAC rule 3745-21-10 and section A.V.2 of this permit.

- 1.e** Emission Limitation -
0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly natural gas burning capacity of the oven associated with this emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the oven associated with this emissions unit (mmBtu/hour).

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(9).

- 1.f** Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.g Emission Limitations -

6.10 lbs VOC/gallon of primer coating, excluding water and exempt solvents, as a daily, volume-weighted average

3.50 lbs VOC/gallon of clear coating, excluding water and exempt solvents, as a daily, volume-weighted average

4.68 lbs VOC/gallon of coating, excluding water and exempt solvents, as a daily, volume-weighted average of all coatings employed, excluding primer and clear coatings

4.15 lbs VOC/gallon of coating, excluding water and exempt solvents, as a daily, volume-weighted average of all coatings employed, excluding primer coatings

Applicable Compliance Method -

Compliance shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of all the coatings employed. If, pursuant to section 4.3 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.

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 two years after the final issuance of this permit and within six months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for VOC.

c. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approval by the appropriate Ohio EPA District Office or local air agency.

d. The capture efficiency shall be determined using the prescribed method of testing as described in PTI No.: 08-3475 (demonstration that the system is under negative pressure at natural draft openings, oven exits, and doors to the sludge building shall be conducted through the use of smoke tubes. Negative pressure for the air houses shall be demonstrated by inserting a magna helix into each zone on every air house.), 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 the validity of the alternative, and may approve the use of the alternative if approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

V. Testing Requirements (continued)

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: E-COATLINE: E-1 AND E-2 (K026)

Activity Description: Twin Pre-treatment and E-Coat Lines and Ovens for surface coating of cabs and component parts (metal and plastics)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
E-coat and prime coating line	OAC rule 3745-31-05 PTI 08-3475	1.2 lbs volatile organic compounds (VOC)/gallon of E-coat prime coating, as a monthly, volume-weighted average, excluding water and exempt solvents (see A.1.2.a)
		18.93 lbs VOC/hr (as a monthly average)
		31.3 TPY VOC
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B), 3745-23-06(B) and 3745-21-08(B) and 40 CFR, Part 63, Subpart Mmmm.
	OAC rule 3745-17-10(B)	0.020 lb particulate emissions (PE)/mmBtu of actual heat input (for the oven associated with this emissions unit)
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.
	OAC rule 3745-21-09(U)(1)(c)	The VOC content limitation specified by this rule is less stringent than the VOC content limitation established pursuant to OAC rule 3745-31-05(A) [see A.1.2.c].
OAC rule 3745-23-06(B) OAC rule 3745-21-08(B)	See A.1.2.b (for the oven associated with this emissions unit).	
40 CFR, Part 63, Subpart Mmmm	See the Terms and Conditions in Part II of this permit.	

2. Additional Terms and Conditions

- 2.a** The combination of coating components added to the dip tank (i.e., pigment, resin, and glycol ethers) shall meet 1.2 pounds of VOC per gallon of coating, as a monthly, volume-weighted average, excluding water and exempt solvents.
- 2.b** The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-23-06 (B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 (A) (3) in Permit to Install 08-3475.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- 2.c** Based on information supplied by the permittee, it has been determined that the VOC content limitation of 1.2 lbs VOC/gallon of coating, excluding water and exempt solvents, as a monthly, volume-weighted average is more stringent than the VOC content limitation specified by OAC rule 3745-21-09(U)(1)(c), i.e., of 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents, as a daily, volume-weighted average. The information provided indicates that pure solvent is manually added to the dip tank only 3 or 4 times per month, and in quantities of less than 110 gallons of pure solvent per addition. If the monitoring, record keeping and reporting requirements established in sections A.III.2 and A.IV.2 of this permit show that the permittee is adding quantities of pure solvent that are substantially greater than 110 gallons/per addition and/or that the frequency of these additions is greater than 4 times per month, the permit may be opened by the Ohio PEA, and the permittee may be required to demonstrate compliance with the daily, volume-weighted average VOC content limitation of 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents.

II. Operational Restrictions

- 1.** The maximum annual E-coat coating material usage rate for this emissions unit shall not exceed 52,167 gallons, excluding water and exempt solvents.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for the electrocoating dip tank:
 - a. the name and identification number of each coating material added to the dip tank;
 - b. the VOC content, excluding water and exempt solvents, in pounds per gallon, of each coating material added to the dip tank;
 - c. the number of gallons of each coating material added to the dip tank, excluding water and exempt solvents;
 - d. the monthly, volume-weighted average VOC content of the combination of coating materials added to the dip tank, in pounds per gallon, excluding water and exempt solvents [calculated by summing (b x c) for all coating materials, divided by the total number of gallons, excluding water and exempt solvents, of all coating materials added to the system];
 - e. the total VOC emission rate, in pounds, i.e., the summation of (b) x (c) for all the coating materials added;
 - f. the total number of hours of operation;
 - g. the average hourly VOC emission rate (e/f), in pounds (average); and
 - h. the total number of gallons of coating materials added to the electro deposition dip tank, excluding water and exempt solvents.
2. On the days when only pure solvent is added to the dip tank, the permittee shall record and maintain the amount of pure solvent added, in gallons/day, and the date of the addition.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing an exceedance of the VOC content limitation of 1.2 lbs VOC/gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
2. The permittee shall submit to the Director (the appropriate Ohio EPA District Office or local air agency) quarterly summaries that include the following information:
 - a. the total VOC emissions, in tons;
 - b. the coating usage for all coatings employed, in gallons; and
 - c. the dates each month that only pure solvent was added to this emissions unit and the amount of pure solvent added each such day.

These quarterly reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter.

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the average hourly VOC emission rate of 18.93 pounds, and the actual average hourly VOC emission rate for each such month. These deviation reports shall be submitted in accordance with Paragraph A.1.c.ii of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

- 1.a** Emission Limitation -
1.2 pounds VOC per gallon of coating, excluding water and exempt solvents, as a monthly, volume-weighted average of all coating components added to the electrodeposition tank

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in section A.III.1 of the terms and conditions of this permit.

The monthly, volume-weighted average of all the materials added to the dip tank shall be calculated using the following equation:

monthly, volume-weighted average = [summation of (Gi X VOCi)] / [summation of Gi] for i = 1 to n

where:

i = 1, 2, 3, ...n

n = the total number of the different types of materials added to the dip tank for that month

Gi = the number of gallons of material i (excluding water and exempt solvents) added to the dip tank for that month

VOCi = the VOC content of material i, in pounds/gallon of material, excluding water and exempt solvents

- 1.b** Emission Limitation -
18.93 lbs/hr VOC (as a monthly average)
31.3 TPY VOC

Applicable Compliance Method -

Compliance with the hourly allowable VOC emission limitation shall be based upon the record keeping specified in A.III.1 of this permit.

Compliance with the annual allowable VOC emission limitation shall be based upon the record keeping specified in A.III.1 and shall be the sum of the monthly VOC emission rates for the calendar year, divided by 2,000.

If required, compliance with the hourly allowable VOC emission limitation shall be based upon the results of stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

- 1.c** Emission Limitation -
0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly natural gas burning capacity of the oven associated with this emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the oven associated with this emissions unit (mmBtu/hour).

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(9).

V. Testing Requirements (continued)

- 1.d** Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-1-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

- 1.e** Emission Limitation -
52,167 gallons/year E-coat coating material usage, excluding water and exempt solvents

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in A.III.1 and shall be the sum of the monthly coating usages, excluding water and exempt solvents, for the calendar year.

- 2.** USEPA Method 24 shall be used to determine the VOC contents of the coating in the electrodeposition system. If, pursuant to Section 4.3 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 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.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: INTERIOR FINISH LINE (K028)

Activity Description: Interior Paint Spray Booth and Ovens for surface coating truck cabs and component parts (metal and plastics)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
interior finish line spray booth, with bake oven	OAC rule 3745-31-05 PTI 08-3475	15.16 lbs/hour volatile organic compounds (VOC), excluding cleanup;
		29.13 TPY VOC, including cleanup;
		4.64 lbs VOC/gallon of E-coat repair coating, excluding water and exempt solvents;
		3.49 lbs VOC/gallon of interior color coating, excluding water and exempt solvents;
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B), 3745-23-06(B), 3745-21-08(B) and 3745-21-09(U)(1)(c) and 40 CFR, Part 63, Subpart PPPP and 40 CFR, Part 63, Subpart MMMM.
	OAC rule 3745-17-10(B)	0.020 lb particulate emissions (PE)/mmBtu of actual heat input (for the oven associated with this emissions unit)
	OAC rule 3745-17-11(B)(1)	2.03 lbs/hour PE
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20% from the booth and oven stacks, as a six-minute average, except as provided by rule.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
	OAC rule 3745-21-09(U)(1)(c)	The daily, volume-weighted average VOC content of all the coatings, as applied, shall not exceed 3.5 lbs VOC/gallon, excluding water and exempt solvents.
	OAC rule 3745-23-06(B)	See A.I.2.a (for the oven associated with this emissions unit)
	OAC rule 3745-21-08(B)	See the Terms and Conditions in Part II of this permit.
	40 CFR, Part 63, Subpart M M M M	See the Terms and Conditions in Part II of this permit.
	40 CFR, Part 63, Subpart P P P P	See the Terms and Conditions in Part II of this permit.

2. Additional Terms and Conditions

- 2.a** The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-23-06 (B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 (A) (3) in Permit to Install 08-3475.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

II. Operational Restrictions

1. The maximum annual E-coat repair coating usage for this emissions unit shall not exceed 168 gallons, excluding water and exempt solvents.
2. The maximum annual interior color coating usage for this emissions unit shall not exceed 16,424 gallons, excluding water and exempt solvents.
3. The permittee shall operate the water curtain whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. The name, identification number and type (i.e., E-coat repair and/or interior color) of each coating, as applied.
 - b. The VOC content (in lbs/gallon, excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
 - c. The daily, volume-weighted average VOC content of all the coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for Cvoc,2.
 - d. The total daily VOC emission rate for all the coatings employed, in pounds.
 - e. The total number of hours the emissions unit was in operation.
 - f. The average hourly VOC emission rate, in pounds per hour (average), i.e., d/e.
 - g. The total number of gallons of all the interior coatings used (summation of b for all interior color coatings).
 - h. The total number of gallons of all the E-coat repair coatings (summation of b for all E-coat repair coatings).
2. The permittee shall collect and record the following information each month for the coating line:
 - a. The name and identification of each cleanup material employed.
 - b. The number of gallons of each cleanup material employed.
 - c. The VOC content of each cleanup material employed, in pounds per gallon.
 - d. The number of gallons and VOC content of the cleanup material recovered for recycling or treatment.
 - e. The VOC emission rate for all the cleanup materials [summation (b x c) for all cleanup materials - (number of gallons of cleanup materials recovered x the VOC content of such cleanup materials)], in pounds.
 - f. The total VOC emissions for all the coatings employed (calculated by summing the daily VOC emission rates, from A.III.1.d above, for the calendar month), in pounds
 - g. The total VOC emissions for all the coatings and cleanup materials (e + f), in pounds.
3. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the daily, volume-weighted average VOC content of 3.5 lbs VOC/gallon of coating, and/or the VOC contents of 4.64 lbs VOC/gallon of E-coat repair coating and 3.49 lbs VOC/gallon of interior color coating were exceeded. The notification shall include a copy of such record shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall submit to the Director (the appropriate Ohio EPA District Office or local air agency) quarterly summaries of the total VOC emissions for all coatings and cleanup materials employed in this emissions unit. These quarterly reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter.

IV. Reporting Requirements (continued)

3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the water curtain was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.
4. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the average hourly VOC emission rate of 15.16 pounds, and the actual average hourly VOC emission rate for each such day. These deviation reports shall be submitted in accordance with Paragraph A.1.c.ii of the General Terms and Conditions of this permit.
5. The permittee shall submit annual reports that summarize the actual annual total annual E-coat repair and interior color coating usages, in gallons. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitation in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation -
15.16 lbs/hour VOC

Applicable Compliance Method -

Compliance shall be based upon record keeping requirements specified in A.III.1 of this permit.

If required, the permittee shall demonstrate compliance in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

- 1.b Emission Limitation -
0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method -

Compliance may be determined by multiplying the maximum hourly natural gas burning capacity of the oven associated with this emissions unit (mm cubic feet/hour) by the AP-42, Table 1.4-2 (revised 7/98) emission factor for natural gas (1.9 lbs PE (filterable)/mm cubic feet), and then dividing by the maximum hourly heat input capacity of the oven associated with this emissions unit (mmBtu/hour).

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(9).

- 1.c Emission Limitation -
2.03 lbs/hour PE

Applicable Compliance Method -

To determine the actual worst case emissions rate for particulates, the following equation may be used:

$$E = \text{maximum coating solids usage rate, in pounds per hour} \times (1 - TE) \times (1 - CE)$$

$$E = PE \text{ rate (lbs/hour)}$$

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

CE = control efficiency of the control equipment

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

V. Testing Requirements (continued)

1.d Emission Limitation -

Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

1.e Emission Limitation -

29.13 TPY VOC

Applicable Compliance Method -

Compliance shall be based upon record keeping requirements specified in A.III.2 of this permit and shall be the sum of the twelve monthly VOC emission rates for the calendar year.

1.f Emission Limitations -

4.64 lbs VOC/gallon of E-coat repair coating, excluding water and exempt solvents

3.49 lbs VOC/gallon of interior color coating, excluding water and exempt solvents

3.5 lbs VOC/gallon of coating, as a daily, volume-weighted average of all coatings employed, excluding water and exempt solvents

Applicable Compliance Method -

Compliance shall be based upon the record keeping requirements specified in A.III.1 of this permit.

In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of all the coatings employed. If, pursuant to section 4.3 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.

1.g Emission Limitation -

168 gallons/year E-coat repair coating usage, excluding water and exempt solvents

Applicable Compliance Method -

Compliance shall be based upon record keeping specified in A.III.1 of this permit and shall be the sum of the daily E-coat repair coating usages for the calendar year.

1.h Emission Limitation -

16,424 gallons/year interior color coating usage, excluding water and exempt solvents

Applicable Compliance Method -

Compliance shall be based upon record keeping specified in A.III.1 of this permit and shall be the sum of the daily interior color coating usages for the calendar year.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: DEPT. 82 MAINTENANCE PAINT BOOTH (K036)

Activity Description: Paint Spray Booth for miscellaneous equipment

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
maintenance paint booth, Dept. 82	OAC rule 3745-31-05(A)(3) PTI 08-3739	on any day when coating metal parts, 38.4 lbs/day volatile organic compounds (VOC), for the coatings used for the metal parts; 5.84 TPY VOC, for all the coatings and cleanup materials The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-11(B), 3745-21-09(U)(2)(e) and 3745-21-07(G)(2).
	OAC rule 3745-21-07(G)(2)	on any day when coating non-metal parts, 8 lbs/hour and 40 lbs/day organic compounds for the coatings and cleanup materials used for the non-metal parts
	OAC rule 3745-21-09(U)(2)(e)	on any day when coating metal parts, less than or equal to 8 gallons/day coating usage for the coatings used for the metal parts
	OAC rule 3745-17-11(B)(1)	0.551 lb/hour particulate emissions (PE)
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20%, as a six-minute average, except as provided by rule.

2. Additional Terms and Conditions

- 2.a The 38.4 lbs/day VOC emission limitation was developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The maximum annual coating usage for this emissions unit shall not exceed 2,200 gallons.
2. The maximum annual cleanup material usage for this emissions unit shall not exceed 150 gallons.
3. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. On any day when coating non-metal parts, the permittee shall collect and record the following information each day for this emissions unit for the coatings used for the non-metal parts:
 - a. The company identification of each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.
 - c. The organic compound content of each coating and cleanup material employed, in pounds per gallon.
 - d. The total organic compound emission rate for all coatings, in pounds.
 - e. The number of gallons of cleanup materials recovered for recycling or treatment.
 - f. The organic compound emission rate from cleanup materials, in pounds.
 - g. The total organic compound emission rate from all coatings and cleanup materials, in pounds.
 - h. The total number of hours the emissions unit was in operation.
 - i. The average hourly organic compound emission rate for all coatings and cleanup materials, i.e., g/h, in pounds per hour (average).
2. On any day when coating metal parts, the permittee shall collect and record the following information each day for this emissions unit for the coatings used for the metal parts:
 - a. The name and identification number of each coating employed.
 - b. The volume, in gallons, of each coating employed.
 - c. The total volume, in gallons, of all coatings employed.
3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

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

4. The permittee shall collect and record the following information each month for the purpose of determining the annual VOC emissions:
 - a. The name and identification of each cleanup material employed.
 - b. The number of gallons of each cleanup material employed.
 - c. The total number of gallons of all cleanup materials employed.
 - d. The VOC content of each cleanup material, in pounds per gallon.
 - e. The number of gallons of each coating employed.
 - e. The total number of gallons of all coatings employed.
 - f. The VOC content of each coating, in pounds per gallon.
 - g. The total VOC emissions from all coatings, in tons.
 - h. The number of gallons of cleanup materials recovered for recycling or treatment.
 - i. The VOC emission rate from all cleanup materials, in tons.
 - j. The total VOC emission rate from all coatings and cleanup materials, in tons.

IV. Reporting Requirements

1. On the days when coating non-metal parts, the permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. An identification of each day during which the average hourly organic compound emissions from the coatings and cleanup materials used for the non-metal parts exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day.
 - b. An identification of each day during which the organic compound emissions from the coatings and cleanup materials used for the non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

These quarterly deviation (excursion) reports shall be submitted in accordance with section A.1.c. of the General Terms and Conditions.

2. On the days when coating metal parts, the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that this emissions unit employed more than the applicable maximum daily coating usage restriction of 8 gallons (for the coating of metal parts). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.
4. The permittee shall submit annual reports to the Director (the appropriate Ohio EPA District Office or local air agency) that specify the total VOC emissions, in tons, the total coating usage, in gallons, and the total cleanup material usage, in gallons. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation -
on any day when coating metal parts, less than or equal to 8 gallons/day coating usage for the coatings used for the metal parts

Applicable Compliance Method -
Compliance shall be based upon the record keeping requirements specified in A.III.2 of this permit.

1.b Emission Limitation -
on any day when coating non-metal parts, 8 lbs/hour and 40 lbs/day OC for the coatings and cleanup materials used for the non-metal parts

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

If required, the permittee shall demonstrate compliance with the hourly OC emission limitation in accordance with Methods 18, 25, or 25A, of 40 CFR, Part 60, Appendix A.

1.c Emission Limitation -
0.551 lb/hour PE

Applicable Compliance Method -
To determine the actual worst case emissions rate for particulates, the following equation may be used:

$E = \text{maximum coating solids usage rate, in pounds per hour} \times (1 - TE) \times (1 - CE)$

$E = \text{PE rate (lbs/hour)}$

$TE = \text{transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used}$

$CE = \text{control efficiency of the control equipment}$

If required, compliance shall be based on the results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

1.d Emission Limitation -
Opacity shall not exceed 20 percent, as a six-minute average, except as provided by rule.

Applicable Compliance Method -
If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

1.e Emission Limitation -
38.4 lbs/day VOC

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum daily coating usage of 8 gallons by the maximum VOC content of all coatings employed in this emissions unit.

V. Testing Requirements (continued)

- 1.f** Emission Limitation -
5.84 TPY VOC

Applicable Compliance Method -

Compliance shall be based upon record keeping requirements specified in section A.III.4 of this permit and shall be the summation of the monthly VOC emission rates for the calendar year.

- 1.g** Emission Limitation -
2,200 gallons/year coating usage

Applicable Compliance Method -

Compliance shall be based upon record keeping requirements specified in section A.III.4 of this permit and shall be the summation of the monthly gallon usage rates for the calendar year.

- 1.h** Emission Limitation -
150 gallons/year cleanup usage

Applicable Compliance Method -

Compliance shall be based upon record keeping requirements specified in section A.III.4 of this permit and shall be the summation of the monthly gallon usage rates for the calendar year.

- 2.** Formulation data or USEPA method 24 shall be employed to measure the VOC content for all coatings and cleanup materials.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: SEALER LINE, DEPT. 68 (K038)

Activity Description: Surface Coating Sealer Application of cabs and component parts (metal and plastics)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
sealer line, dept. 68	OAC rule 3745-31-05 PTI 08-2393	7.2 lbs/hour, 0.50 ton/month, and 6.0 TPY volatile organic compounds (VOC); 0.80 pound VOC per gallon of sealer, excluding water and exempt solvents The requirements of this rule also include compliance with the requirements of 40 CFR, Part 63, Subpart Mmmm.
	OAC rule 3745-21-09(U)(1)(c)	The VOC content limitation specified by this rule is less stringent than the VOC content limitation established pursuant to OAC rule 3745-31-05(A).
	40 CFR, Part 63, Subpart Mmmm	See the Terms and Conditions in Part II of this permit.

2. Additional Terms and Conditions

- The 7.2 lbs/hour was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

- The maximum annual sealer usage for this emissions unit shall not exceed 15,000 gallons, excluding water and exempt solvents.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for the line:
 - a. The name and identification number of each coating, as applied.
 - b. The VOC content of each coating (in lbs/gallon, excluding water and exempt solvents), as applied.
 - c. The number of gallons (excluding water and exempt solvents) of each coating employed.
 - d. The total VOC emissions for all the coatings employed [summation of (b x c) for all coatings, divided by 2000], in tons.
 - e. The total number of gallons of the all the coatings employed (summation of c for all coatings).

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings (i.e., for VOC content) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.
2. The permittee shall submit to the Director (the appropriate Ohio EPA District Office or local air agency) quarterly summaries of the total VOC emissions and coating usage for all coatings employed in this emissions unit. These quarterly reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter.
3. The permittee shall submit quarterly deviation (excursion) reports that show all exceedance of the monthly OC emission limitation of 0.5 ton. These quarterly reports shall be submitted in accordance with the General Terms and Conditions, Paragraph A.1.c.ii.

V. Testing Requirements

1. Compliance with the emission limitation in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emission Limitation -
7.2 lbs/hour VOC

Applicable Compliance Method -
Compliance shall be determined by multiplying the maximum hourly coating usage (9 gallons/hour) by the maximum VOC content of 0.80 lb VOC/gallon.

If required, the permittee shall demonstrate compliance in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.
 - 1.b Emission Limitation -
0.50 ton/month VOC
Applicable Compliance Method -
Compliance shall be based upon record keeping requirements specified in A.III.1 of this permit.
 - 1.c Emission Limitation -
6.0 TPY VOC

Applicable Compliance Method -
Compliance shall be based upon record keeping requirements specified in A.III.1 and shall be the sum of the twelve monthly VOC emission rates for the calendar year.

V. Testing Requirements (continued)

- 1.d** Emission Limitation -
0.8 pound VOC per gallon of sealer, excluding water and exempt solvents

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

In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

- 1.e** Emission Limitation -
15,000 gallons/year sealer usage, excluding water and exempt solvents

Applicable Compliance Method -
Compliance shall be based upon record keeping requirements specified in A.III.1 and shall be the sum of the monthly usage records for the calendar year.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: WINDSHIELD INSTALLATION (K045)
Activity Description: Adhesive bonding of glass windshield to metal cab frame

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
windshield installation	OAC rule 3745-31-05(A)(3) PTI 08-4114	1.7 lbs/hour volatile organic compounds (VOC), excluding cleanup; see A.I.2.a 6.9 TPY VOC, including cleanup The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(U)(1)(g) and 3745-21-07(G) and 40 CFR, Part 63, Subpart Mmmm..
	OAC rule 3745-21-09(U)(1)(g)	When coating metal parts, 4.9 lbs VOC per gallon of coating, excluding water and exempt solvents, for the coatings used for metal parts
	OAC rule 3745-21-07(G)	When coating non-metal parts, see A.II.1.
	40 CFR, Part 63, Subpart Mmmm	See the Terms and Conditions in Part II of this permit.

2. Additional Terms and Conditions

- The 1.7 lbs/hour VOC emission limitation was developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

- The permittee shall not employ any liquid organic material, except for those materials employed to coat metal parts, in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. The name and identification number of each coating and cleanup material, as applied.
 - b. The VOC content of each coating (lbs/gallon, excluding water and exempt solvents), as applied, and whether it was applied to metal or non-metal parts.
 - c. The number of gallons of each coating, excluding water and exempt solvents.
 - d. The total VOC emissions for all the coatings employed [summation of (b x c) for all coatings, divided by 2000], in tons.
 - e. The VOC content of each cleanup material employed, in pounds per gallon.
 - f. The number of gallons of each cleanup material employed.
 - g. The total VOC emissions for all the cleanup materials employed [summation of (e x f) for all cleanup materials, divided by 2000], in tons.
 - h. The total VOC emissions for all the coatings and cleanup materials employed (A.III.1.d + A.III.1g), in tons.
 - i. Documentation on whether or not each liquid organic material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of any noncomplying coating (i.e., for VOC content) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.
2. The permittee shall notify Ohio EPA, Southwest District Office, in writing of any monthly record showing that any photochemically reactive liquid organic material, except when coating metal parts, was employed in this emissions unit. The notification shall include a copy of such record and shall be submitted within 30 days after the event occurs.
3. The permittee shall submit annual reports that specify the actual total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation -
4.9 lbs VOC per gallon of coating, excluding water and exempt solvents, for a glass adhesion body primer coating

Applicable Compliance Method -
Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.
 - b. Emission Limitation -
1.7 lbs/hour VOC

Applicable Compliance Method -
Compliance may be determined by multiplying the maximum hourly adhesive coating usage (gallons/hr) by the maximum VOC content of all the adhesive coatings (lbs/gallon).

If required, compliance with the hourly allowable VOC emission limitation shall be based upon the results of stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.
 - c. Emission Limitation -
6.9 TPY VOC, including cleanup

Applicable Compliance Method -
Compliance shall be based upon record keeping requirements specified in section A.III.1 of this permit and shall be the sum of the twelve monthly VOC emission rates for the calendar year.
2. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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