



State of Ohio Environmental Protection Agency

Street Address:

1800 WaterMark Drive
Columbus, OH 43215-1099

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

Mailing Address:

P.O. Box 1049
Columbus, OH 43216-1049

06/11/98

CERTIFIED MAIL

**RE: Preliminary Proposed Title V
Chapter 3745-77 permit**

08-57-04-0018
Delphi Chassis Systems - Needmore
George Kioultzoupolos
1435 Cincinnati Street
P.O. Box 1245
Dayton, OH 45401

Dear George Kioultzoupolos:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 03/26/98. The comment period has ended. We are now ready to submit this permit to USEPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written or with agreed-upon changes, then you have the opportunity to schedule a meeting with us to discuss your concerns.

Please contact Jim Orlemann, Engineering Section Manager, 614-644-3592, or you can telefax your request to (614) 644-3681, within fourteen (14) days from receipt of this letter if a meeting is desired. If a request for a meeting is not received within fourteen (14) days of receipt of this letter, we will forward this proposed permit (as written, or with agreed-upon changes) to USEPA for approval.

Very truly yours,

A handwritten signature in black ink that reads "Thomas G. Rigo". The signature is written in a cursive, slightly slanted style.

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

cc: RAPCA
Becky Castle, DAPC PMU



Ohio EPA

State of Ohio Environmental Protection Agency

TITLE V PERMIT

Date: 06/11/98

PRELIMINARY PROPOSED

Effective Date:

Expiration Date:

This document constitutes issuance to:

Delphi Chassis Systems - Needmore
1435 Cincinnati Street P.O. Box 1245
Dayton, OH 45401-1245

of a Title V permit for Facility ID: 08-57-04-0018

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

B001 (Boiler #1)
Boiler for steam.

B002 (Boiler #2)
Boiler for steam.

B004 (Boiler #4)
Boiler for steam.

K001 (Autodeposition Paint System)
Parts cleaning, pickling, painting, and drying.

P064 (Paint Booth)
Maintenance paint booth.

P091 (Nickle-Chrome Plater)
Nickle-chrome plating.

P093 (Lining Mix System)
Lining Mix System.

P094 (Lining Blend System #1)
Lining Blend System #1.

P095 (Disc Brake Lining Cell #1)
Disc Brake Lining Cell #1.

P096 (Disc Brake Lining Cell #2)
Disc Brake Lining Cell #2.

P097 (Disc Brake Lining Cell #3)
Disc Brake Lining Cell #3.

P098 (Disc Brake Lining Cell #4)
Disc Brake Lining Cell #4.

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

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

RAPCA
451 West Third Street
PO Box 972
Dayton, OH 45422
(937) 225-4435

OHIO ENVIRONMENTAL PROTECTION AGENCY

Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
 - iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month

period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

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

3. Risk Management Plans

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

4. Title IV Provisions

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

5. Severability Clause

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

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and 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. 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.

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.

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.

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.

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 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.

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.

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 appropriate Ohio EPA District Office or local air agency 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.

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.

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).

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.

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

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

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

17. Compliance Method Requirements

No term or condition specifying a method for demonstrating compliance with any emission limitation or other requirement of this permit shall preclude the use by any person of any credible evidence to establish compliance with or a violation of this permit, the Clean Air Act, or any implementing regulations or rules promulgated thereunder.

B. State Only Enforceable Section

1. 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.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted 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.)

3. 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.

4. 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.

5. 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).

6. 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.

7. 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.

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

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

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforceable Section

None

B. State Only Enforceable Section

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

P087 Synasol washer
Z067 Plating Technology Descaler
Z073 Plantwide natural gas (excluding boilers)
Z075 ABS-VI Washer Stage #1
Z076 Washing Machine 511-1
Z077 Washing Machine 511-2
Z078 Master Cylinder Piston Assembly
Z079 Washing Machine 522-2
Z080 Washing Machine 522-3
Z081 Washing Machine 529-15
Z082 Piston Washing Machines 523
Z083 Washing Machine 531-5
Z084 Washing Machine 531-2 & 532-3
Z085 Washing Machine 532-2
Z086 Washing Machine 532-6 & 532-7
Z087 Washing Machine 532-4
Z088 Washing Machine 532-5
Z089 Washing Machine 534-2A & 534-2B
Z090 Washing Machine 538-6
Z091 Plantwide Cold Cleaners
P081 Aluminum Anodizing
P082 Aluminum Anodizing
P088 Booster Stud Heat Treating Furnace
Z125 Roadways and Parking Lots
Z126 Emergency Generator
Z127 Emergency Fire Pump

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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #1 (B001)
Activity Description: Boiler for steam.

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>
72 MMBTU/hr natural gas/No. 2 oil fired boiler	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per MMBTU actual heat input
	OAC rule 3745-18-63(O)	1.3 pounds of sulfur dioxide emissions per MMBTU actual heat input
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, as a 6-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
- The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in section A.I. above.

III. Monitoring and/or Record Keeping Requirements

- For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil for only those months when oil is combusted in this emissions unit.
- The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.
- For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, 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 notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rates from section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil 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 Emissions Limitation -
0.020 pound particulate emissions per MMBTU actual heat input

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the hourly gas burning capacity of the emissions unit (0.07 MM cubic feet/hr) by the AP-42 emission factor for natural gas (6.2 lbs PM/MM cubic feet), divided by the maximum hourly heat input capacity of the emissions unit (72 MMBTU/hr). For the use of No. 2 oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (514 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PM/1000 gallons), and dividing by the maximum hourly heat input capacity of the emissions unit (72 MMBTU/hr).

- 1.b Emissions Limitation -
1.3 pounds of sulfur dioxide emissions per MMBTU actual heat input

Applicable Compliance Method -

When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments of oil during the calendar month.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 6C.

- 1.c Emissions Limitation -
20% opacity visible emission limitation, as a six-minute average

Applicable Compliance Method -

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.

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 #2 (B002)
Activity Description: Boiler for steam.

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>
36 MMBTU/hr natural gas/No. 2 oil fired boiler	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per MMBTU actual heat input
	OAC rule 3745-18-63(O)	1.3 pounds of sulfur dioxide emissions per MMBTU actual heat input
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, as a 6-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
2. The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in section A.I. above.

III. Monitoring and/or Record Keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil for only those months when oil is combusted in this emissions unit.
2. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.
3. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, 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 notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rates from section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil 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 Emissions Limitation -
0.020 pound particulate emissions per MMBTU actual heat input

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the hourly gas burning capacity of the emissions unit (0.035 MM cubic feet/hr) by the AP-42 emission factor for natural gas (6.2 lbs PM/MM cubic feet), divided by the maximum hourly heat input capacity of the emissions unit (36 MMBTU/hr). For the use of No. 2 oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (257 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PM/1000 gallons), and dividing by the maximum hourly heat input capacity of the emissions unit (36 MMBTU/hr).

- 1.b Emissions Limitation -
1.3 pounds of sulfur dioxide emissions per MMBTU actual heat input

Applicable Compliance Method -

When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments of oil during the calendar month.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 6C.

- 1.c Emissions Limitation -
20% opacity visible emission limitation, as a six-minute average

Applicable Compliance Method -

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.

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 #4 (B004)
Activity Description: Boiler for steam.

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>
144 MMBTU/hr natural gas/No. 2 oil fired boiler	OAC rule 3745-17-10(B)(1) PTI 08-654	0.020 pound of particulate emissions per MMBTU actual heat input
	OAC rule 3745-18-63(O) PTI 08-654	1.3 pounds of sulfur dioxide emissions per MMBTU actual heat input
	OAC rule 3745-17-07(A)	Opacity shall not exceed 20 percent, as a 6-minute average, except as provided by rule

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.
- The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in section A.I. above.

III. Monitoring and/or Record Keeping Requirements

- For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil for only those months when oil is combusted in this emissions unit.
- The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.
- For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, 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 notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rates from section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil 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 Emissions Limitation -
0.020 pound particulate emissions per MMBTU actual heat input

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the hourly gas burning capacity of the emissions unit (0.141 MM cubic feet/hr) by the AP-42 emission factor for natural gas (5 lbs PM/MM cubic feet), divided by the maximum hourly heat input capacity of the emissions unit (144 MMBTU/hr). For the use of No. 2 oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (1028 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PM/1000 gallons), and dividing by the maximum hourly heat input capacity of the emissions unit (144 MMBTU/hr).

- 1.b Emissions Limitation -
1.3 pounds of sulfur dioxide emissions per MMBTU actual heat input

Applicable Compliance Method -

When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments of oil during the calendar month.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 6C.

- 1.c Emissions Limitation -
20% opacity visible emission limitation, as a six-minute average

Applicable Compliance Method -

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.

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>
144 MMBTU/hr natural gas/No. 2 oil boiler	OAC rule 3745-31-05 PTI 08-654	5% opacity visible emission limit, as a six-minute average

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emissions Limitation -
5% opacity visible emission limitation, as a six-minute average

Applicable Compliance Method -
 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.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Autodeposition Paint System (K001)
Activity Description: Parts cleaning, pickling, painting, and drying.

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>
Autodeposition Paint System, miscellaneous metal parts	OAC rule 3745-21-09(U)(1)(c)	3.5 lbs VOC/gallon coating, excluding water and exempt solvents

2. Additional Terms and Conditions

- 2.a Each coating employed in the autodeposition dip tank of this emissions unit shall comply with the VOC content limitation of 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents.

II. Operational Restrictions

None

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 employed in the autodeposition dip tank of this emissions unit, as applied.
 - b. The VOC content of each coating employed in the autodeposition dip tank of this emissions unit (excluding water and exempt solvents), as applied.

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. 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.

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** Emissions Limitation -
3.5 lbs VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method -

USEPA Method 24 shall be used to determine the VOC contents for 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>
Autodeposition Paint System, miscellaneous metal parts	OAC rule 3745-31-05 PTI 08-1412	1.6 lb VOC/gallon coating, excluding water and exempt solvents 25 TPY volatile organic compounds

2. Additional Terms and Conditions

- 2.a Each coating employed in the autodeposition dip tank of this emissions unit shall comply with the VOC content limitation of 1.6 lbs VOC/gallon of coating, excluding water and exempt solvents.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. See A.III.1.
2. The permittee shall collect and record the following information each month for the coating bath:
 - a. The number of gallons of each coating material, excluding water and exempt solvents.
 - b. The total VOC emissions from all of the coating materials employed, in pounds.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) which include an identification of any coating material that does not comply with the VOC content limitation of 1.6 lbs VOC/gallon, excluding water and exempt solvents. These reports shall be submitted in writing 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 month.
2. The permittee shall also submit annual reports which specify the 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 limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

- 1.a** Emissions Limitation -
1.6 lb VOC/gallon coating, minus water and exempt solvents

Applicable Compliance Method -

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

- 1.b** Emissions Limitation -
25 TPY volatile organic compounds

Applicable Compliance Method -

Compliance shall be based upon record keeping as specified in B.III.1. and shall be the sum of the monthly VOC emissions for the calendar year.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Paint Booth (P064)
Activity Description: Maintenance paint booth.

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: miscellaneous metal parts	OAC rule 3745-21-09(U)(2)(e)	less than or equal to 8 gallons/day coating usage
Non-metal parts	OAC rule 3745-21-07(G)(2)	8 lbs/hour and 40 lbs/day organic compounds, including cleanup

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the maintenance paint booth:
 - a. The name and identification number of each coating employed.
 - b. The volume, in gallons, of each coating employed to paint miscellaneous metal parts and of each coating employed to paint non-metal parts.
 - c. The total volume, in gallons, of all of the coatings employed to paint miscellaneous metal parts.
 - d. The volume, in gallons, of each cleanup material employed.
 - e. The organic compound content of each coating and cleanup material, in pounds per gallon.
 - f. The organic compound emission rate for all coatings and cleanup materials employed to paint non-metal parts, in pounds per day.
 - g. The total number of hours the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all coatings and cleanup materials employed to paint non-metal parts, i.e., (f)/(g), in pounds per hour (average).

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 maintenance paint booth employs more than the applicable maximum daily coating usage limit when painting miscellaneous metal parts and products. 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 submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emissions from the coatings and cleanup materials employed by this emissions unit to paint 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 employed by this emissions unit to paint non-metal parts exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

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

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 Emissions Limitation -
8 lbs/hour organic compound emissions from coatings and cleanup materials employed to paint non-metal parts

Applicable Compliance Method -
Compliance shall be based upon record keeping as specified in A.III.1.
 - 1.b Emissions Limitation -
40 lbs/day organic compound emissions from coatings and cleanup materials employed to paint non-metal parts

Applicable Compliance Method -
Compliance shall be based upon record keeping as specified in A.III.1.
 - 1.c Emissions Limitation -
less than or equal to 8 gallons/day coating usage for painting of metal parts and products

Applicable Compliance Method -
Compliance shall be based on record keeping as specified in A.III.1.
2. USEPA Method 24 shall be used to determine the VOC contents for the coatings and cleanup materials. 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 or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material 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: Nickle-Chrome Plater (P091)
Activity Description: Nickle-chrome plating.

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>
Udylite Senior Nickel-Chrome Plater	40 CFR Part 63 Subpart N	The concentration of total chromium in the exhaust gases discharged to the atmosphere shall not exceed 0.015 mg/dscm (6.6 E-06 gr/dscf).
	OAC rule 3745-17-11(B)(1)	0.551 lb/hour particulate matter

2. Additional Terms and Conditions

None

II. Operational Restrictions

- At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain any chromium electroplating or anodizing tank, including associated air pollution control devices and monitoring equipment, in a manner consistent with the operation and maintenance plan required by these terms and conditions.
- Malfunions shall be corrected as soon as practicable after their occurrence in accordance with the operation and maintenance plan.
- Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the appropriate Ohio EPA District Office or local air agency, which may include, but is not limited to, monitoring results; review of the operation and maintenance plan, procedures, and records; and inspection of the emissions unit. Based on this information, the appropriate Ohio EPA District Office or local air agency may require that the permittee make changes to the operation and maintenance plan if that plan:
 - does not address a malfunction that has occurred;
 - fails to provide for the operation of the emissions units, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution practices; or
 - does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, or monitoring equipment as quickly as practicable.

II. Operational Restrictions (continued)

4. The permittee shall implement an operation and maintenance plan that includes the following elements:
 - a. The plan shall specify the operation and maintenance criteria for the affected source, the add-on air pollution control device (if such a device is used to comply with the emissions limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of the equipment.
 - b. The O/M plan shall incorporate the following work practice standards:
 - i. Visually inspect the device at least once per quarter to ensure there is proper drainage, no chromic acid buildup on the pads, and no evidence of chemical attack on the structural integrity of the device.
 - ii. Visually inspect at least once per quarter the back portion of the mesh pad closest to the fan to ensure there is no breakthrough of chromic acid mist.
 - iii. Visually inspect at least once per quarter the ductwork from tank to the control device to ensure there are no leaks.
 - iv. Perform washdown of the composite mesh-pads in accordance with the manufacturer's recommendations.
 - c. The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur.
 - d. The plan shall include a systematic procedure for identifying malfunctions of process equipment, add-on air pollution control devices, and process and control system monitoring equipment, and for implementing corrective actions to address such malfunctions.
 - e. If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the permittee shall revise the operation and maintenance plan within 45 days after such an event occurs.
 - f. If actions taken by the permittee during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan, the permittee shall record the actions taken for that event and shall report such actions within 2 working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within 7 working days after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with the appropriate Ohio EPA District Office or local air agency.
 - g. The permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the appropriate Ohio EPA District Office or local air agency for the life of the emissions unit. If the operation and maintenance plan is revised, the permittee shall keep previous versions of the plan on record to be made available for inspection, upon request, by the appropriate Ohio EPA District Office or local air agency for a period of five years after each revision to the plan.
 - h. The permittee may use applicable standard operating procedure (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans to meet the operation and maintenance plan requirements as long as the alternative plans meet the requirements.

III. Monitoring and/or Record Keeping Requirements

1. Composite mesh-pad (CMP) system monitoring requirements to demonstrate continuous compliance:
 - a. During the initial performance test, the permittee shall determine the outlet chromium concentration using the methods as described in the "Testing Requirements" section of this permit to comply with the emission limitations through the use of a composite mesh-pad system. The permittee shall establish as a site-specific operating parameter the pressure drop across the system, setting the value that corresponds to compliance with the applicable emission limitation, using the procedures in the "Testing Requirements" section of this permit. The initial performance testing was conducted on December 17, 1996 and January 9, 1997. The established pressure drop range was 5.5 to 8.5 inches of water.
 - b. The permittee may conduct multiple performance tests to establish a range of compliant pressure drop values, or may set as the compliance value the average pressure drop measured over the three test runs of one performance test and accept plus or minus 1 inch of water column from this value as the compliant range.
 - c. On and after the date on which the initial performance test is required to be completed under Section 63.7 of 40 CFR Part 63, Subpart A, the permittee shall monitor and record the pressure drop across the composite mesh-pad system once each day that the emission unit is operating. To be in compliance, the composite mesh-pad system shall be operated within the range of compliant values for pressure drop (5.5 - 8.5 inches of water) established during performance tests conducted on December 17, 1996 and January 9, 1997.
2. The permittee shall fulfill all recordkeeping requirements in the General Provisions to 40 CFR Part 63, according to the applicability of subpart A.
3. The permittee also shall maintain the following records:
 - a. Inspection records for the add-on air pollution control device, if such a device is used, and monitoring equipment, to document that the inspection and maintenance required by the work practice standards of this permit have taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection.
 - b. Records of all maintenance performed on the emissions unit, add-on air pollution control device, and monitoring equipment.
 - c. Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control device, and monitoring equipment.
 - d. Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan.
 - e. Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan.
 - f. Test reports documenting results of all performance tests.
 - g. All measurements as may be necessary to determine the conditions of performance tests.
 - h. Records of monitoring data that are used to demonstrate compliance with the standard including the date and time the data are collected.
 - i. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control device, or monitoring equipment.
 - j. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control device, or monitoring equipment.

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

k. The total process operating time of the emissions unit during the reporting period.

l. All documentation supporting the notifications and reports as outlined in the Reporting Requirements of this permit and Sections 63.9 and 63.10 of 40 CFR Part 63, subpart A.

All records shall be maintained for a period of five years.

IV. Reporting Requirements

1. The permittee shall fulfill all reporting requirements as outlined in 40 CFR part 63 subpart A. These reports shall be made to the appropriate Ohio EPA District Office or local air agency and shall be sent by U.S. mail, fax or by another courier.
 - a. Submittals sent by U.S. mail shall be postmarked on or before the specified date.
 - b. Submittals sent by other methods shall be received by the appropriate Ohio EPA District Office or local air agency on or before the specified date.
2. The permittee shall submit a Notification of Compliance Status to the appropriate Ohio EPA District Office or local air agency 90 days after the performance test is completed, signed by the responsible official who shall certify its accuracy, attesting to whether the affected emissions unit is in compliance. The notification shall list for each affected emissions unit:
 - a. The applicable emission limitations and the methods there were used to determine compliance with this limitation.
 - b. If a performance test is required, the test report documenting the results of the performance test, which includes the elements required in the Test Requirements section of this permit, including measurements and calculations to support special compliance provisions for multiple emissions units controlled by a common add-on air pollution control device.
 - c. The type and quantity of hazardous air pollutants emitted by the emissions unit reported in mg/dscm or mg/hr if the emissions unit is using the special provisions for multiple emissions units controlled by a common add-on air pollution control device. (For emissions units not required to conduct a performance test, the surface tension measurement may fulfill this requirement.)
 - d. For each monitored parameter for which a compliant value was established, the specific operating parameter value, or range of values, that corresponds to compliance with the applicable emission limit.
 - e. The methods that will be used to determine continuous compliance.
 - f. A description of the air pollution control technique used for each emission point.
 - g. A statement that the permittee has completed and has on file the operation and maintenance plan as required by the work practice standards.
 - h. A statement by the owner or operator as to whether the emissions unit is in compliance.

IV. Reporting Requirements (continued)

3. The permittee shall prepare an ongoing compliance status report semiannually (unless a request to reduce frequency of ongoing compliance status reports has been approved) to the appropriate Ohio EPA District Office or local air agency to document the ongoing compliance status of the emissions unit. This report shall include the following:
 - a. The company name and address of the emissions unit.
 - b. An identification of the operating parameter that is monitored for compliance determination.
 - c. The relevant emission limitation for the emissions unit, and the operating parameter value, or range of values, that correspond to compliance with this emission limitation as specified in the Notification of Compliance Status required by this section.
 - d. The beginning and ending dates of the reporting period.
 - e. The total operating time of the emissions unit during the reporting period.
 - f. A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total emissions unit operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes, and unknown causes.
 - g. A certification by a responsible official that the work practice standards in this permit were followed in accordance with the operation and maintenance plan for the emissions unit.
 - h. If the operation and maintenance plan required by this permit was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the reports required by the work practices in this permit.
 - i. A description of any changes in monitoring, processes, or controls since the last reporting period.
 - j. The name, title, and signature of the responsible official who is certifying the accuracy of the report.
 - k. The date of the report.
4. The permittee who is required to submit ongoing compliance status reports on a quarterly (or more frequent basis) may reduce the frequency of reporting to semiannual if all of the following conditions are met:
 - a. For 1 full year (e.g., 4 quarterly or 12 monthly reporting periods), the ongoing compliance status reports demonstrate that the affected emissions unit is in compliance with the relevant emission limit.
 - b. The permittee continues to comply with all applicable recordkeeping and monitoring requirements of 40 CFR Part 63 subpart A and others listed in this permit.
 - c. The appropriate Ohio EPA District Office or local air agency does not object to a reduced reporting for the affected emissions unit and if the following requirements are met:

IV. Reporting Requirements (continued)

i. The permittee notifies the appropriate Ohio EPA District Office or local air agency in writing of its intention to make such a change, and the appropriate Ohio EPA District Office or local air agency does not object to the intended change. In deciding whether to approve a reduced reporting frequency, the appropriate Ohio EPA District Office or local air agency may review information concerning the facility's entire previous performance history during the 5-year recordkeeping period prior to the intended change, or the recordkeeping period since the facility's compliance date, whichever is shorter. Records subject to review may include performance test results, monitoring data, and evaluations of a permittee's conformance with emission limitations and work practice standards. If the request is disapproved, the permittee will be notified in writing within 45 days after receiving notice of the permittee's intention. The notification will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.

ii. As soon as the monitoring data show that the facility is not in compliance with the relevant emission limit, the frequency of reporting shall revert to quarterly, and the permittee shall state this exceedance in the ongoing compliance status report for the next reporting period. After demonstrating ongoing compliance with the relevant emission limit for another full year, the permittee may again request approval to reduce the reporting frequency.

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 Emissions Limitation -
0.015 mg/dscm (6.6 E-06 gr/dscf) total chromium in exhaust gases

Applicable Compliance Method -

Performance tests were conducted on December 17, 1996 and January 9, 1997 with results showing average chromium emission rates of 6.51 E-07 gr/dscf and 9.63 E-08 gr/dscf, respectively. If required, additional performance testing shall be conducted in accordance with the test methods and procedures specified in 40 CFR Part 63 Subpart N. Ongoing compliance shall be based upon the established operating parameters for the pressure drop across the composite mesh-pad emission control system.

1.b Emissions Limitation -
0.551 lb/hour particulate matter

Applicable Compliance Method -

Compliance shall be determined by multiplying the AP-42 emission factor from Table 12.20 for hard chromium electroplating (0.25 gr/A-hr) by the maximum current of the plating bath (50,000 A) and the control efficiency of 90% (1 - 0.90). This grains per hour emission rate is then divided by 7,000 grains per pound to obtain the mass particulate emissions. If required, compliance with this mass emission limitation shall be based upon stack testing in accordance with OAC rule 3745-17-03(B)(10).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Udylite Senior Nickel-Chrome Plater	OAC rule 3745-31-05 PTI 08-2339	0.003 lb/hr, 0.0126 TPY Cr+6; 1.0 lb/hr, 4.2 TPY HCl

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 8,400.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the operating hours for this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit annual reports which identify any exceedances of the annual operating hours limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each 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 Emissions Limitation -
0.003 lb/hour Cr+6

Applicable Compliance Method -

Compliance with this allowable emission rate was demonstrated in performance tests conducted on December 17, 1996 and January 9, 1997 with results showing an average total chromium emission rate of 5.47 E-05 lb/hour and 8.81 E-06 lb/hour, respectively. If required, additional performance testing shall be conducted in accordance with the methods and procedures specified in 40 CFR Part 63 Subpart N.

- 1.b Emissions Limitation -
0.0126 TPY Cr+6

Applicable Compliance Method -

The 0.0126 ton/yr emissions limitation was developed by multiplying the 0.003 lb/hr by a maximum annual operating schedule of 8,400 hrs/yr. Therefore compliance shall be based upon the 12-month summation of the number of operating hours times the 0.003 lb/hr emissions limitation, divided by 2,000 lbs/ton.

V. Testing Requirements (continued)

- 1.c** Emissions Limitation -
1.0 lb/hr HCl

Applicable Compliance Method -

Compliance with this allowable emission rate was demonstrated in a performance test conducted on October 14, 1993 with results showing a total HCl emission rate of 0.09 lb/hour. If required, additional performance testing shall be conducted in accordance with USEPA Reference Method 26, of 40 CFR Part 60, Appendix A.

- 1.d** Emissions Limitation -
4.2 TPY HCl

Applicable Compliance Method -

The 4.2 tons/yr emissions limitation was developed by multiplying the 1.0 lb/hr by a maximum annual operating schedule of 8,400 hrs/yr. Therefore compliance shall be based upon the 12-month summation of the number of operating hours times the 1.0 lb/hr emissions limitation, divided by 2,000 lbs/ton.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Lining Mix System (P093)
Activity Description: Lining Mix System.

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>
Lining Mix System, with fabric filter	OAC rule 3745-17-11(B)(1)	1.66 lbs/hour particulate matter
	OAC rule 3745-17-07(A)	20% opacity visible emissions limit as a six-minute average, except as provided by rule; see Additional Term and Condition 2.a.

2. Additional Terms and Conditions

- The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 are controlled through the application of a common fabric filter. The 20% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.

II. Operational Restrictions

- The pressure drop across the common baghouse shall be maintained within the range of 1.0 to 5.0 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

IV. Reporting Requirements

- The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. These quarterly deviation (excursion) reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions.

V. Testing Requirements

- 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** Emissions Limitation
1.66 lbs/hour particulate matter

Applicable Compliance Method -

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).

- 1.b** Emission Limitation -
20% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 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>
Lining Mix System, with fabric filter	OAC rule 3745-31-05 PTI 08-3319	0.25 lb/hour and 1.10 TPY particulate matter 5% opacity visible emissions, as a six-minute average; see Additional Term and Condition 2.a.

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 shall be controlled through the application of a common fabric filter. The 5% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the amount of dry raw material employed in this emissions unit.

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emissions Limitation -
0.25 lb/hour particulate matter

Applicable Compliance Method -
If required, compliance shall be based on stack testing per OAC rule 3745-17-03(B)(10).
 - 1.b Emissions Limitation -
1.10 TPY particulate matter

Applicable Compliance Method -
Compliance shall be determined by multiplying the hourly allowable emission rate by the maximum operating schedule of 8760 hours, and dividing by 2,000 pounds per ton.

Facility Name: **Delphi Chassis - Needmore**

Facility ID: **08-57-04-0018**

Emissions Unit: **Lining Mix System (P093)**

V. Testing Requirements (continued)

1.c Emission Limitation -
5% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Lining Blend System #1 (P094)
Activity Description: Lining Blend System #1.

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>
Lining Blend System #1, with fabric filter and thermal incinerator	OAC rule 3745-17-11(B)(1)	1.81 lbs/hour particulate matter
	OAC rule 3745-17-07(A)	20% opacity visible emissions, as a six-minute average, except as provided by rule; see Additional Term and Condition 2.a.
	OAC rule 3745-31-05 PTI 08-3319	11 lbs/day organic compounds; see Additional Term and Condition 2.b.
	OAC rule 3745-21-07(G) PTI 08-3319	See * below.

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 are controlled through the application of a common fabric filter. The 20% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.
- 2.b The organic compound emissions from this emissions unit shall be controlled through the application of a thermal incinerator with a minimum destruction efficiency of 95%.

*The limit based on this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time 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 emission test that demonstrated compliance was June 5, 1997; the average combustion chamber temperature was 1202 degrees Fahrenheit.
2. The maximum daily ethyl alcohol usage for this emissions unit shall not exceed 242 pounds.
3. The pressure drop across the baghouse shall be maintained within the range of 1.0 to 5.0 inches of water while the emissions unit is in operation.

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:
 - a. 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 temperature during the most recent emission test that demonstrated the emissions unit was in compliance. The most recent emission test that demonstrated compliance was June 5, 1997; the average combustion chamber temperature was 1202 degrees Fahrenheit.
 - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
3. The permittee shall maintain daily records of the amount of ethyl alcohol employed in this emissions unit.
4. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.

The permittee shall submit quarterly deviation (excursion) reports which identify any exceedances of the daily ethyl alcohol usage limitation, as well as the corrective actions that were taken to achieve compliance.

The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

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

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 Emissions Limitation -
1.81 lb/hour particulate matter

Applicable Compliance Method -

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).

- 1.b Emissions Limitation -
20% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

V. Testing Requirements (continued)

- 1.c** Emissions Limitation -
11.0 lbs/day organic compounds

Applicable Compliance Method -
Compliance shall be determined by the following

i. The total daily ethyl alcohol usage as required to be recorded in section A.III.3. shall be multiplied by the loss factor determined from the most recent performance test that demonstrated that the emissions unit was in compliance. Until additional tests are conducted, the average loss factor of 89.7 percent (0.897), determined during the June 5, 1997 performance test shall be used in this calculation.

ii. The total daily ethyl alcohol lost, determined from (i) above, shall then be multiplied by a factor of one minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance. Until additional tests are conducted, the average destruction efficiency of 99.7 (1 - 0.997), determined during the June 5, 1997 performance test shall be used in this calculation.

iii. The total organic compound emission rate shall be the product from (ii) above.

- 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 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the destruction efficiency limitation for organic compounds.

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

d. The destruction 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).

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>
Lining Blend System #1, with fabric filter and thermal incinerator	OAC rule 3745-31-05 PTI 08-3319	0.10 lb/hour and 0.5 TPY particulate matter; 5% opacity visible emissions, as a six-minute average; see Additional Term and Condition 2.a. 2.0 TPY organic compounds

2. **Additional Terms and Conditions**

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 shall be controlled through the application of a common fabric filter. The 5% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the amount of dry raw material employed in this emissions unit.

IV. Reporting Requirements

None

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 Emissions Limitation - 0.10 lb/hour particulate matter

Applicable Compliance Method - If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).
 - 1.b Emissions Limitation - 0.50 TPY particulate matter

Applicable Compliance Method - Compliance shall be determined by multiplying the hourly allowable emission rate (0.10 lb/hour) by the maximum operating schedule of 8760 hours/year, and dividing by 2,000 pounds per ton.

V. Testing Requirements (continued)

- 1.c** Emissions Limitation -
5% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

- 1.d** Emissions Limitation -
2.0 TPY organic compounds

Applicable Compliance Method -

Compliance shall be determined by multiplying the daily allowable emission rate (11 lbs/day) by the maximum operating schedule (365 days/year), and dividing by 2,000 pounds per ton.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Disc Brake Lining Cell #1 (P095)
Activity Description: Disc Brake Lining Cell #1.

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>
Disc Brake Lining Cell #1, with fabric filter	OAC rule 3745-17-11(B)(1)	1.02 lbs/hour particulate matter
	OAC rule 3745-17-07(A)	20% opacity visible emissions, as a six-minute average, except as provided by rule; see Additional Term and Condition 2.a.
	OAC rule 3745-21-07(G)(1)	3 lbs/hour, 15 lbs/day organic compounds

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 are controlled through the application of a common fabric filter. The 20% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.
- 2.b The 3 lbs/hour and 15 lbs/day allowable emissions limitations were established based upon the requirements of OAC rule 3745-21-07(G)(1). The maximum potential to emit for this emissions unit has been determined to be 0.625 lb/hour and 13.8 lbs/day based upon maximum solvent usage and respective VOC content. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within 1.0 to 5.0 inches of water while the emissions units are in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. The deviation (excursion) reports shall be submitted in accordance with section A.1.c. of the General Terms and Conditions.

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 Emissions Limitation -
1.02 lb/hour particulate matter

Applicable Compliance Method -

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).

- 1.b Emissions Limitation -
20% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

- 1.c Emissions Limitation -
3 lbs/hour organic compounds

Applicable Compliance Method -

Compliance shall be determined by dividing the daily organic compound emissions by the average daily total hours of operation (24 hours/day). Refer also to section A.I.2.b.

- 1.d Emissions Limitation -
15 lbs/day organic compounds

Applicable Compliance Method -

Compliance shall be determined by multiplying the maximum daily capacity of the brake lining cell (4840 pounds) by the average daily ethyl alcohol residual (36 pounds), and dividing by the maximum total brake lining mix produced per day (12,600 pounds). Refer also to section A.I.2.b.

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>
Disc Brake Lining Cell #1, with fabric filter	OAC rule 3745-31-05 PTI 08-3319	0.10 lb/hour, 0.5 TPY particulates; 5% opacity visible emissions, as a six-minute average; see Additional Term and Condition 2.a. 2.75 TPY organic compounds

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 shall be controlled through the application of a common fabric filter. The 5% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the amount of dry raw material employed in this emissions unit.

IV. Reporting Requirements

None

V. Testing Requirements

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

- 1.a Emissions Limitation -
0.10 lb/hour particulate matter

Applicable Compliance Method -
If required, compliance with with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).

- 1.b Emissions Limitation -
0.5 TPY particulate matter

Applicable Compliance Method -
Compliance shall be determined by multiplying the hourly allowable emission rate (0.10 lb/hour) by the maximum operating schedule (8760 hours/year), and dividing by 2,000 pounds per ton.

V. Testing Requirements (continued)

- 1.c** Emissions Limitation -
5% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

- 1.d** Emissions Limitation -
2.75 TPY organic compounds

Applicable Compliance Method -

The 2.75 TPY limitation was developed by multiplying the 15 lbs/day limitation by the maximum operating schedule of 365 days/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the daily limitation, compliance will also be shown with the annual limitation.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Disc Brake Lining Cell #2 (P096)
Activity Description: Disc Brake Lining Cell #2.

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>
Disc Brake Lining Cell #2, with fabric filter	OAC rule 3745-17-11(B)(1)	1.02 lbs/hour particulate matter
	OAC rule 3745-17-07(A)	20% opacity visible emissions, as a six-minute average; see Additional Term and Condition 2.a.
	OAC rule 3745-21-07(G)(1)	3 lbs/hour, 15 lbs/day organic compounds

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 are controlled through the application of a common fabric filter. The 20% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.
- 2.b The 3 lbs/hour and 15 lbs/day allowable emissions limitations were established based upon the requirements of OAC rule 3745-21-07(G)(1). The maximum potential to emit for this emissions unit has been determined to be 0.625 lb/hour and 13.8 lbs/day based upon maximum solvent usage and respective VOC content. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within 1.0 to 5.0 inches of water while the emissions units are in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. The deviation (excursion) reports shall be submitted in accordance with section A.1.c. of the General Terms and Conditions.

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 Emissions Limitation -
1.02 lb/hour particulate matter

Applicable Compliance Method -

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).

1.b Emissions Limitation -
20% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

1.c Emissions Limitation -
3 lbs/hour organic compounds

Applicable Compliance Method -

Compliance shall be determined by dividing the daily organic compound emissions by the average daily total hours of operation (24 hours/day). Refer also to section A.I.2.b.

1.d Emissions Limitation -
15 lbs/day organic compounds

Applicable Compliance Method -

Compliance shall be determined by multiplying the maximum daily capacity of the brake lining cell (4840 pounds) by the average daily ethyl alcohol residual (36 pounds), and dividing by the maximum total brake lining mix produced per day (12,600 pounds). Refer also to section A.I.2.b.

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>
Disc Brake Lining Cell #2, with fabric filter	OAC rule 3745-31-05 PTI 08-3509	0.10 lb/hour, 0.5 TPY particulates; 5% opacity visible emissions, as a six-minute average, except as provided by rule; see Additional Term and Condition 2.a. 2.75 TPY organic compounds

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 shall be controlled through the application of a common fabric filter. The 5% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the amount of dry raw material employed in this emissions unit.

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emissions Limitation -
0.10 lb/hour particulate matter

Applicable Compliance Method -
If required, compliance with with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).
 - 1.b Emissions Limitation -
0.5 TPY particulate matter

Applicable Compliance Method -
Compliance shall be determined by multiplying the hourly allowable emission rate (0.10 lb/hour) by the maximum operating schedule (8760 hours/year), and dividing by 2,000 pounds per ton.

V. Testing Requirements (continued)

- 1.c** Emissions Limitation -
5% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

- 1.d** Emissions Limitation -
2.75 TPY organic compounds

Applicable Compliance Method -

The 2.75 TPY limitation was developed by multiplying the 15 lbs/day limitation by the maximum operating schedule of 365 days/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the daily limitation, compliance will also be shown with the annual limitation.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Disc Brake Lining Cell #3 (P097)
Activity Description: Disc Brake Lining Cell #3.

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>
Disc Brake Lining Cell #3, with fabric filter	OAC rule 3745-17-11(B)(1)	1.02 lbs/hour particulate matter
	OAC rule 3745-17-07(A)	20% opacity visible emissions, as a six-minute average; see Additional Term and Condition 2.a.
	OAC rule 3745-21-07(G)(1)	3 lbs/hour, 15 lbs/day organic compounds

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 are controlled through the application of a common fabric filter. The 20% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.
- 2.b The 3 lbs/hour and 15 lbs/day allowable emissions limitations were established based upon the requirements of OAC rule 3745-21-07(G)(1). The maximum potential to emit for this emissions unit has been determined to be 0.625 lb/hour and 13.8 lbs/day based upon maximum solvent usage and respective VOC content. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within 1.0 to 5.0 inches of water while the emissions units are in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. The deviation (excursion) reports shall be submitted in accordance with section A.1.c. of the General Terms and Conditions.

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 Emissions Limitation -
1.02 lb/hour particulate matter

Applicable Compliance Method -

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).

1.b Emissions Limitation -
20% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

1.c Emissions Limitation -
3 lbs/hour organic compounds

Applicable Compliance Method -

Compliance shall be determined by dividing the daily organic compound emissions by the average daily total hours of operation (24 hours/day). Refer also to section A.I.2.b.

1.d Emissions Limitation -
15 lbs/day organic compounds

Applicable Compliance Method -

Compliance shall be determined by multiplying the maximum daily capacity of the brake lining cell (4840 pounds) by the average daily ethyl alcohol residual (36 pounds), and dividing by the maximum total brake lining mix produced per day (12,600 pounds). Refer also to section A.I.2.b.

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>
Disc Brake Lining Cell #3, with fabric filter	OAC rule 3745-31-05 PTI 08-3509	0.10 lb/hour, 0.5 TPY particulates; 5% opacity visible emissions, as a six-minute average, except as provided by rule; see Additional Term and Condition 2.a. 2.75 TPY organic compounds

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 shall be controlled through the application of a common fabric filter. The 5% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the amount of dry raw material employed in this emissions unit.

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emissions Limitation -
0.10 lb/hour particulate matter

Applicable Compliance Method -
If required, compliance with with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).
 - 1.b Emissions Limitation -
0.5 TPY particulate matter

Applicable Compliance Method -
Compliance shall be determined by multiplying the hourly allowable emission rate (0.10 lb/hour) by the maximum operating schedule (8760 hours/year), and dividing by 2,000 pounds per ton.

V. Testing Requirements (continued)

- 1.c** Emissions Limitation -
5% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

- 1.d** Emissions Limitation -
2.75 TPY organic compounds

Applicable Compliance Method -

The 2.75 TPY limitation was developed by multiplying the 15 lbs/day limitation by the maximum operating schedule of 365 days/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the daily limitation, compliance will also be shown with the annual limitation.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Disc Brake Lining Cell #4 (P098)
Activity Description: Disc Brake Lining Cell #4.

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>
Disc Brake Lining Cell #4, with fabric filter	OAC rule 3745-17-11(B)(1)	1.02 lbs/hour particulate matter
	OAC rule 3745-17-07(A)	20% opacity visible emissions, as a six-minute average, except as provided by rule; see Additional Term and Condition 2.a.
	OAC rule 3745-21-07(G)(1)	3 lbs/hour, 15 lbs/day organic compounds

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 are controlled through the application of a common fabric filter. The 20% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.
- 2.b The 3 lbs/hour and 15 lbs/day allowable emissions limitations were established based upon the requirements of OAC rule 3745-21-07(G)(1). The maximum potential to emit for this emissions unit has been determined to be 0.625 lb/hour and 13.8 lbs/day based upon maximum solvent usage and respective VOC content. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within 1.0 to 5.0 inches of water while the emissions units are in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. The deviation (excursion) reports shall be submitted in accordance with section A.1.c. of the General Terms and Conditions.

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 Emissions Limitation -
1.02 lb/hour particulate matter

Applicable Compliance Method -

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).

- 1.b Emissions Limitation -
20% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

- 1.c Emissions Limitation -
3 lbs/hour organic compounds

Applicable Compliance Method -

Compliance shall be determined by dividing the daily organic compound emissions by the average daily total hours of operation (24 hours/day). Refer also to section A.I.2.b.

- 1.d Emissions Limitation -
15 lbs/day organic compounds

Applicable Compliance Method -

Compliance shall be determined by multiplying the maximum daily capacity of the brake lining cell (4840 pounds) by the average daily ethyl alcohol residual (36 pounds), and dividing by the maximum total brake lining mix produced per day (12,600 pounds). Refer also to section A.I.2.b.

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>
Disc Brake Lining Cell #4, with fabric filter	OAC rule 3745-31-05 PTI 08-3509	0.10 lb/hour, 0.5 TPY particulates; 5% opacity visible emissions, as a six-minute average; see Additional Term and Condition 2.a. 2.75 TPY organic compounds

2. Additional Terms and Conditions

- 2.a The particulate emissions from emissions units P093, P094, P095, P096, P097, and P098 shall be controlled through the application of a common fabric filter. The 5% opacity visible emissions limitation applies to the common egress point of the fabric filter shared by emissions units P093, P094, P095, P096, P097, and P098.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the amount of dry raw materials employed in this emissions unit.

IV. Reporting Requirements

None

V. Testing Requirements

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

- 1.a Emissions Limitation -
0.10 lb/hour particulate matter

Applicable Compliance Method -
If required, compliance with with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(10).

- 1.b Emissions Limitation -
0.5 TPY particulate matter

Applicable Compliance Method -
Compliance shall be determined by multiplying the hourly allowable emission rate (0.10 lb/hour) by the maximum operating schedule (8760 hours/year), and dividing by 2,000 pounds per ton.

V. Testing Requirements (continued)

- 1.c** Emissions Limitation -
5% opacity visible emissions limit, as a six-minute average

Applicable Compliance Method -
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

- 1.d** Emissions Limitation -
2.75 TPY organic compounds

Applicable Compliance Method -
The 2.75 TPY limitation was developed by multiplying the 15 lbs/day limitation by the maximum operating schedule of 365 days/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the daily limitation, compliance will also be shown with the annual limitation.

VI. Miscellaneous Requirements

None

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