



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

08/06/98

CERTIFIED MAIL

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

16-77-01-0999
Aircraft Braking Systems Corp.
Giulio Gabriele
1204 Massillon Rd.
Akron, OH 44306-4186

Dear Giulio Gabriele:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 06/11/98. 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, flowing style.

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

cc: Akron Air Pollution Control
Becky Castle, DAPC PMU



Ohio EPA

State of Ohio Environmental Protection Agency

TITLE V PERMIT

Date: 08/06/98

PRELIMINARY PROPOSED

Effective Date:

Expiration Date:

This document constitutes issuance to:

Aircraft Braking Systems Corp.
1204 Massillon Rd.
Akron, OH 44306-4186

of a Title V permit for Facility ID: 16-77-01-0999

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

B001 (Boiler #1)
50 MMBtu/hr natural gas and fuel oil fired boiler

B002 (Boiler #2)
50 MMBtu/hr natural gas and fuel oil fired boiler

B003 (Boiler #3)
50 MMBtu/hr natural gas and fuel oil fired boiler

B004 (Boiler #4)
50 MMBtu/hr natural gas and fuel oil fired boiler

K001 (Devilbiss Paint Booth)
Devilbiss spray paint booth for coating various metal parts, uses a despatch drying oven. (Plant F-Dept. 661).

K002 (Binks Touch-up Booths)
Two independently operating spray paint booths (Plant B - Dept 656)

K003 (Main Paint Shop)
Three independently operating spray paint booths (Plant B - Dept 656)

K006 (Devilbiss Spray Paint Boot w/ Despatch Oven)
Spray paint booth and oven (Plant B - Dept. 626)

K007 (Paint Booth)
Paint Booth. (Plant A-Dept. 675)

P001 (Continuous Chemical Vapor Deposition Furnace)
Chemical vapor deposition furnace. (Plant F-Dept. 665).

P036 (Carbon Processing Furnace)
11' carbon processing furnace. (New addition)

P037 (Carbon Processing Furnace)
11' carbon processing furnace. (New addition)

P038 (Carbon Processing Furnace)
11' carbon processing furnace. (New addition)

P039 (Carbonization Furnace)
Carbonization furnace. (Plant F-Dept. 665).

R002 (Binks Paint Spray Booth)
Spray paint booth for coating carbon disks, uses a Blue M drying oven. (Plant F-Dept. 660).

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:

Akron Air Pollution Control
146 South High Street, Room 904
Akron, OH 44308
(330) 375-2480

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

1. 40 CFR Part 82 - Protection of Stratospheric Ozone
 - a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82 Subpart F, except as provided for MVACs in Subpart B:
 - i. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to Section 82.156.
 - ii. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to Section 82.158.
 - iii. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to Section 82.161.
 - iv. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to Section 82.166.
 - v. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to Section 82.156.
 - vi. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to Section 82.166.
 - b. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR 82, Subpart G, Significant New Alternative Policy Program.

B. State Only Enforceable Section

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

K004 - Oil Dip Tank #634
L007 - Portable Parts Washers
P004 - Plant A Plate Shop
P006 - Sulfuric Acid Anodizing Tanks
P007 - Dow Line Anodizing Dip Tanks
P009 - Oxy Actylene Cutting Machine
P011 - Grit Blaster
P012 - Pangborn Rotoblast Machine
P013 - Shot Peening Machine
P015 - Electric Grieve Oven #539
P016 - Heavy Duty Gas Fired Lindberg Furnace #560
P018 - Masco Single Spindle Hydraulic Drill Units
P021 - Grieve Furnace Model 33 DUP #678
P022 - Tocco Induction Furnace and Hot Press
P023 - Grieve Oven-18 kW-Model JB 500
P024 - Clicking Press ENCO 360 #271
P025 - Timesaver Belt Sander #549
P026 - Electrochemical Deburring Machine #564
P027 - Electric Embrittlement Relief Ovens
P030 - Timesaver Belt Sander #530
P033 - Carbon Disk Finishing Machine
P035 - Plastic Media Blasting Cabinet
R001 - Carpentry Shop Paint Booth
Z001 - Walsh Rotary Parts Washer
Z002 - Photo Lab
Z003 - Instapacker Foam Package System
Z004 - Rosemont Vibratory Bowl Finishing Machine
Z005 - Mart Electric Power Washer
Z051 - Cincinnati Machining Center #393
Z052 - L&C NC Profiturn 50
Z053 - W-S Turret Type Lathe #167
Z054 - CA Dauer Gas Oven
Z055 - Wet Machining Coolant System-Dept. 661
Z056 - Drill Semi-Auto/Splitter-Thinner
Z057 - Milling Machine
Z058 - Milling Machine
Z059 - K & T Machining Center N/C
Z060 - Plastic Media Blast System (Pram) #243
Z061 - Research and Development Equipment-Dept. 693

B. State Only Enforceable Section (continued)

Z100 - Lab Hoods - Met Lab
Z101 - Wet Machining - Dept 623
Z102 - TSD Microbore
Z103 - Rosemont Vibratory Debur Machine #772
Z104 - Rosemont Vibratory Debur Machine #771
Z105 - Wet Machining - Dept 625
Z200 - Mart Tornado Parts Washer
Z201 - Tocco Induction Hardener #569
Z202 - Westinghouse Induction Hardener #574
Z203 - Ramco Part Washer
Z204 - Wet Machining - Dept. 650
Z300 - Centri Flow Deburring Machine #546
Z301 - Centri Flow Deburring Machine #557
Z302 - Wheelabrator Shotpeen Machine #523
Z303 - Vibratory Finishing Machine #529
Z304 - Vibratory Finishing Machine #562
Z305 - Imprex Resin Imbedding Equipment
Z306 - Rotary Deburring Equipment
Z307 - Hot Water Washer
Z308 - Henry Filter Broach #524
Z309 - Wet Machining
Z400 - Ultrasonic Safety Kleen Degreaser
Z401 - Safety Kleen Degreaser
Z402 - Safety Kleen Dryer
Z403 - Solvent Vacuum Still
Z404 - Stoddard Solvent Cold Cleaner
Z405 - Wet Machining - Dept 655
Z500 - Deoxidize Tank B171-1
Z502 - Desmut Tank B172
Z504 - Sodium Dichromate Seal Tank B274
Z605 - Henry Separator Coolant System #584
Z606 - Henry Separator
Z607 - Double Ended Robotic Metal Cutter
Z608 - Disc Sander Machine #552
Z609 - Delta Belt Sander #558
Z610 - Centri-Flow Deburring Finishing Machine #542
Z611 - Centri-Flow Deburring Finishing Machine #543
Z612 - Centri-Flow Deburring Finishing Machine #544
Z613 - Centri-Flow Deburring Finishing Machine #545
Z615 - Wet Machining - Dept 660
Z700 - Stoddard Solvent Cold Cleaner
Z701 - NC Machining Equipment Dept 679 Machine #205
Z702 - Kearney & Trecher Horizontal Simplex
Z703 - Monarch Cortland Machine Center
Z704 - Conap Table and Small Grieve Oven
Z705 - Tool and Die Repair Equipment - Dept 668
Z706 - Instapacker Foam Packaging System
Z800 - Research and Development Dept 700
Z801 - Fuel Oil Storage Tank
Z900 - MEK Cold Cleaner

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: 50 MMBtu/hr natural gas and fuel oil fired boiler

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>
50 mmBtu/hr natural gas and fuel oil fired boiler		
When burning natural gas:	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning fuel oil:	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
	40 CFR 52.1881 (b) (59)(xix)	1.10 pounds of sulfur dioxide per million Btu of actual heat input

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.

II. Operational Restrictions (continued)

2. The quality of the oil burned in this emissions unit shall meet the following specifications on an as-received basis:
 - a. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.10 pounds of sulfur dioxide per million Btu of actual heat input; and
 - b. greater than 135,000 Btu per gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the weighted, arithmetic average of the analytical results provided by the permittee or oil supplier for all shipments of oil during each calendar month.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain as a record, on a monthly basis, copies of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) of each shipment of oil. The following information shall also be included with the copies of the oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds of SO₂ per million Btu) for the oil received during each calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.

2. The permittee shall record on a monthly basis the natural gas usage in this emissions unit.
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 submit deviation (excursion) reports which identify any monthly record that documents an exceedance of the SO₂ emission limit of 1.10 pounds of sulfur dioxide per million Btu, along with the cause of the exceedances and an explanation of any corrective actions taken to prevent future exceedances.
2. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents each weighted, arithmetic average of the heat content of oil received on a monthly basis which is less than or equal to 135,000 Btu per gallon of oil.
3. 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.
4. The deviation reports shall be submitted in accordance with the requirements specified in General Term and Condition A.1.c.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

0.020 pound of particulate matter per million Btu of actual heat input

Applicable Compliance Method:

To demonstrate compliance with OAC rule 3745-17-10 when burning distillate fuel oil, the permittee shall multiply the particulate emission factor of 0.002 pound of particulate emissions per gallon burned by the maximum hourly distillate fuel oil consumption rate of 370 gallons per hour, and divide by 50 mmBtu.

To demonstrate compliance with OAC rule 3745-17-10 when burning natural gas, the permittee shall multiply the particulate emission factor of 13.5 pounds of particulate emissions per million cubic feet burned by the maximum hourly natural gas consumption rate (0.05 million cubic feet per hour), and divide by 50 mmBtu.

1.b Emission Limitation:

1.10 pounds of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning distillate fuel oil, compliance shall be based upon the volume and analytical results of each shipment of oil, and the use of the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual sulfur dioxide emission rate for each calendar month.

1.c Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-18-83 (J)	See B.1.2.a below.

2. Additional Terms and Conditions

- 2.a The sulfur dioxide emission limitation in this rule is less stringent than the sulfur dioxide emission limitation in 40 CFR 52.1881(b)(59)(xix).

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: 50 MMBtu/hr natural gas and fuel oil fired boiler

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>
50 mmBtu/hr natural gas and fuel oil fired boiler		
When burning natural gas:	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning fuel oil:	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
	40 CFR 52.1881 (b) (59)(xix)	1.10 pounds of sulfur dioxide per million Btu of actual heat input

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.

II. Operational Restrictions (continued)

2. The quality of the oil burned in this emissions unit shall meet the following specifications on an as-received basis:
 - a. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.10 pounds of sulfur dioxide per million Btu of actual heat input; and
 - b. greater than 135,000 Btu per gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the weighted, arithmetic average of the analytical results provided by the permittee or oil supplier for all shipments of oil during each calendar month.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain as a record, on a monthly basis, copies of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) of each shipment of oil. The following information shall also be included with the copies of the oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds of SO₂ per million Btu) for the oil received during each calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.

2. The permittee shall record on a monthly basis the natural gas usage in this emissions unit.
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 submit deviation (excursion) reports which identify any monthly record that documents an exceedance of the SO₂ emission limit of 1.10 pounds of sulfur dioxide per million Btu, along with the cause of the exceedances and an explanation of any corrective actions taken to prevent future exceedances.
2. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents each weighted, arithmetic average of the heat content of oil received on a monthly basis which is less than or equal to 135,000 Btu per gallon of oil.
3. 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.
4. The deviation reports shall be submitted in accordance with the requirements specified in General Term and Condition A.1.c.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

0.020 pound of particulate matter per million Btu of actual heat input

Applicable Compliance Method:

To demonstrate compliance with OAC rule 3745-17-10 when burning distillate fuel oil, the permittee shall multiply the particulate emission factor of 0.002 pound of particulate emissions per gallon burned by the maximum hourly distillate fuel oil consumption rate of 370 gallons per hour, and divide by 50 mmBtu.

To demonstrate compliance with OAC rule 3745-17-10 when burning natural gas, the permittee shall multiply the particulate emission factor of 13.5 pounds of particulate emissions per million cubic feet burned by the maximum hourly natural gas consumption rate (0.05 million cubic feet per hour), and divide by 50 mmBtu.

1.b Emission Limitation:

1.10 pounds of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning distillate fuel oil, compliance shall be based upon the volume and analytical results of each shipment of oil, and the use of the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual sulfur dioxide emission rate for each calendar month.

1.c Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-18-83 (J)	See B.1.2.a below.

2. Additional Terms and Conditions

- 2.a The sulfur dioxide emission limitation in this rule is less stringent than the sulfur dioxide emission limitation in 40 CFR 52.1881(b)(59)(xix).

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 #3 (B003)

Activity Description: 50 MMBtu/hr natural gas and fuel oil fired boiler

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>
50 mmBtu/hr natural gas and fuel oil fired boiler		
When burning natural gas:	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning fuel oil:	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
	40 CFR 52.1881 (b) (59)(xix)	1.10 pounds of sulfur dioxide per million Btu of actual heat input

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.

II. Operational Restrictions (continued)

2. The quality of the oil burned in this emissions unit shall meet the following specifications on an as-received basis:
 - a. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.10 pounds of sulfur dioxide per million Btu of actual heat input; and
 - b. greater than 135,000 Btu per gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the weighted, arithmetic average of the analytical results provided by the permittee or oil supplier for all shipments of oil during each calendar month.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain as a record, on a monthly basis, copies of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) of each shipment of oil. The following information shall also be included with the copies of the oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds of SO₂ per million Btu) for the oil received during each calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.

2. The permittee shall record on a monthly basis the natural gas usage in this emissions unit.
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 submit deviation (excursion) reports which identify any monthly record that documents an exceedance of the SO₂ emission limit of 1.10 pounds of sulfur dioxide per million Btu, along with the cause of the exceedances and an explanation of any corrective actions taken to prevent future exceedances.
2. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents each weighted, arithmetic average of the heat content of oil received on a monthly basis which is less than or equal to 135,000 Btu per gallon of oil.
3. 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.
4. The deviation reports shall be submitted in accordance with the requirements specified in General Term and Condition A.1.c.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

0.020 pound of particulate matter per million Btu of actual heat input

Applicable Compliance Method:

To demonstrate compliance with OAC rule 3745-17-10 when burning distillate fuel oil, the permittee shall multiply the particulate emission factor of 0.002 pound of particulate emissions per gallon burned by the maximum hourly distillate fuel oil consumption rate of 370 gallons per hour, and divide by 50 mmBtu.

To demonstrate compliance with OAC rule 3745-17-10 when burning natural gas, the permittee shall multiply the particulate emission factor of 13.5 pounds of particulate emissions per million cubic feet burned by the maximum hourly natural gas consumption rate (0.05 million cubic feet per hour), and divide by 50 mmBtu.

1.b Emission Limitation:

1.10 pounds of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning distillate fuel oil, compliance shall be based upon the volume and analytical results of each shipment of oil, and the use of the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual sulfur dioxide emission rate for each calendar month.

1.c Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-18-83 (J)	See B.1.2.a below.

2. **Additional Terms and Conditions**

- 2.a The sulfur dioxide emission limitation in this rule is less stringent than the sulfur dioxide emission limitation in 40 CFR 52.1881(b)(59)(xix).

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: 50 MMBtu/hr natural gas and fuel oil fired boiler

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>
50 mmBtu/hr natural gas and fuel oil fired boiler		
When burning natural gas:	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
When burning fuel oil:	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	0.020 pound of particulate matter per million Btu of actual heat input
	40 CFR 52.1881 (b) (59)(xix)	1.10 pounds of sulfur dioxide per million Btu of actual heat input

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.

II. Operational Restrictions (continued)

2. The quality of the oil burned in this emissions unit shall meet the following specifications on an as-received basis:
 - a. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.10 pounds of sulfur dioxide per million Btu of actual heat input; and
 - b. greater than 135,000 Btu per gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the weighted, arithmetic average of the analytical results provided by the permittee or oil supplier for all shipments of oil during each calendar month.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain as a record, on a monthly basis, copies of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) of each shipment of oil. The following information shall also be included with the copies of the oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds of SO₂ per million Btu) for the oil received during each calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.

2. The permittee shall record on a monthly basis the natural gas usage in this emissions unit.
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 submit deviation (excursion) reports which identify any monthly record that documents an exceedance of the SO₂ emission limit of 1.10 pounds of sulfur dioxide per million Btu, along with the cause of the exceedances and an explanation of any corrective actions taken to prevent future exceedances.
2. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents each weighted, arithmetic average of the heat content of oil received on a monthly basis which is less than or equal to 135,000 Btu per gallon of oil.
3. 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.
4. The deviation reports shall be submitted in accordance with the requirements specified in General Term and Condition A.1.c.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

0.020 pound of particulate matter per million Btu of actual heat input

Applicable Compliance Method:

To demonstrate compliance with OAC rule 3745-17-10 when burning distillate fuel oil, the permittee shall multiply the particulate emission factor of 0.002 pound of particulate emissions per gallon burned by the maximum hourly distillate fuel oil consumption rate of 370 gallons per hour, and divide by 50 mmBtu.

To demonstrate compliance with OAC rule 3745-17-10 when burning natural gas, the permittee shall multiply the particulate emission factor of 13.5 pounds of particulate emissions per million cubic feet burned by the maximum hourly natural gas consumption rate (0.05 million cubic feet per hour), and divide by 50 mmBtu.

1.b Emission Limitation:

1.10 pounds of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning distillate fuel oil, compliance shall be based upon the volume and analytical results of each shipment of oil, and the use of the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual sulfur dioxide emission rate for each calendar month.

1.c Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
50 mmBtu/hr natural gas and fuel oil fired boiler	OAC rule 3745-18-83 (J)	See B.1.2.a below.

2. Additional Terms and Conditions

- 2.a The sulfur dioxide emission limitation in this rule is less stringent than the sulfur dioxide emission limitation in 40 CFR 52.1881(b)(59)(xix).

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: Devilbiss Paint Booth (K001)

Activity Description: Devilbiss spray paint booth for coating various metal parts, uses a despatch drying oven. (Plant F-Dept. 661).

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>
Misc. metal parts paint spray booth with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-09(U)	See A.II.1 below.

2. Additional Terms and Conditions

- 2.a Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

II. Operational Restrictions

1. The permittee shall employ no more than 3 gallons of coating in any one day in this emissions unit.
2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

1.b Emission Limitation:

0.551 lb/hr of particulate matter

Applicable Compliance Method:

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

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

E = particulate emissions rate (lbs/hr)

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

CE = fractional control efficiency of the control equipment

If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.

1.c Operational Restriction:

use of no more than 3 gallons of coatings per day

Applicable Compliance Method:

Daily records shall be maintained of the daily usage of all coatings employed.

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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-195)	See B.I.2.a below.

2. Additional Terms and Conditions

- 2.a The best available technology (BAT) determination for PTI #16-195 was determined to be compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(ii) which contains a daily usage restriction that is less stringent than the daily usage restriction determined to be acceptable to USEPA.

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: Binks Touch-up Booths (K002)

Activity Description: Two independently operating spray paint booths (Plant B - Dept 656)

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>
Misc. metal parts paint spray booth with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-09(U)	See A.II.1 below.

2. Additional Terms and Conditions

- 2.a Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

II. Operational Restrictions

1. The permittee shall employ no more than 3 gallons of coating in any one day in this emissions unit.
2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

1.b Emission Limitation:

0.551 lb/hr of particulate matter

Applicable Compliance Method:

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

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

E = particulate emissions rate (lbs/hr)

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

CE = fractional control efficiency of the control equipment

If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.

1.c Operational Restriction:

use of no more than 3 gallons of coatings per day

Applicable Compliance Method:

Daily records shall be maintained of the daily usage of all coatings employed.

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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-195)	See B.I.2.a below.

2. Additional Terms and Conditions

- 2.a The best available technology (BAT) determination for PTI #16-195 was determined to be compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(ii) which contains a daily usage restriction that is less stringent than the daily usage restriction determined to be acceptable to USEPA.

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: Main Paint Shop (K003)

Activity Description: Three independently operating spray paint booths (Plant B - Dept 656)

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>
Misc. metal parts paint spray booths with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-09(U)	See A.II.1 below.

2. Additional Terms and Conditions

- 2.a Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

II. Operational Restrictions

1. The permittee shall employ no more than 3.0 gallons of coating in any one day in any one of the individual paint booths.
2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating lines:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

1.b Emission Limitation:

0.551 lb/hr of particulate matter

Applicable Compliance Method:

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

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

E = particulate emissions rate (lbs/hr)

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

CE = fractional control efficiency of the control equipment

If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.

1.c Operational Restriction:

use of no more than 3 gallons of coatings per day per coating line.

Applicable Compliance Method:

Daily records shall be maintained of the daily usage of all coatings employed.

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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-195)	See B.I.2.a below.

2. Additional Terms and Conditions

- 2.a The best available technology (BAT) determination for PTI #16-195 was determined to be compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(ii) which contains a daily usage restriction that is less stringent than the daily usage restriction determined to be acceptable to USEPA.

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: Devilbiss Spray Paint Booth w/ Despatch Oven (K006)
Activity Description: Spray paint booth and oven (Plant B - Dept. 626)

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>
Misc. metal parts paint spray booth with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-09(U)	See A.II.1 below.

2. Additional Terms and Conditions

- 2.a Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

II. Operational Restrictions

1. The permittee shall employ no more than 3.0 gallons of coating in any one day in this emissions unit.
2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

1.b Emission Limitation:

0.551 lb/hr of particulate matter

Applicable Compliance Method:

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

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

E = particulate emissions rate (lbs/hr)

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

CE = fractional control efficiency of the control equipment

If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.

1.c Operational Restriction:

use of no more than 3.0 gallons of coatings per day

Applicable Compliance Method:

Daily records shall be maintained of the daily usage of all coatings employed.

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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-1191)	See B.II.1 below.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall employ no more than 1.0 gallon of coating in any one day in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. The name and identification number of each coating employed.
 - b. The volume, in gallons, of each coating employed.
 - c. The total volume, in gallons, of all of the coatings employed.

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 coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Paint Booth (K007)
Activity Description: Paint Booth. (Plant A-Dept. 675)

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>
Misc. metal parts paint spray booth with disposable paper filters to control fugitive particulate matter emissions	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-09(U)	See A.II.1 below.

2. Additional Terms and Conditions

- 2.a Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule is currently being revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of this in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1 below will apply as the exemption level while OAC rule 3745-21-09(U) is being revised and SIP approval by USEPA is being promulgated.

II. Operational Restrictions

1. The permittee shall employ no more than 3 gallons of coating in any one day in this emissions unit.
2. The permittee shall operate the disposable paper filtration system when this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the disposable paper filtration system was in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the disposable paper filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

1.b Emission Limitation:

0.551 lb/hr of particulate matter

Applicable Compliance Method:

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

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

E = particulate emissions rate (lbs/hr)

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

CE = fractional control efficiency of the control equipment

If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.

1.c Operational Restriction:

use of no more than 3 gallons of coatings per day

Applicable Compliance Method:

Daily records shall be maintained of the daily usage of all coatings employed.

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>
Misc. metal parts paint spray booth	OAC rule 3745-31-05 (PTI 16-195)	See B.I.2.a below.

2. Additional Terms and Conditions

- 2.a The best available technology (BAT) determination for PTI #16-195 was determined to be compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(ii) which contains a daily usage restriction that is less stringent than the daily usage restriction determined to be acceptable to USEPA.

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: Continuous Chemical Vapor Deposition Furnace (P001)
Activity Description: Chemical vapor deposition furnace. (Plant F-Dept. 665).

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>
Continuous chemical vapor deposition furnace and two heat treat furnaces (Plant F-Dept. 665) with thermal incinerator	OAC rule 3745-31-05 (PTI 16-815)	4.51 lbs/hr of organic material

2. Additional Terms and Conditions

- 2.a This emissions unit shall be controlled with a thermal incinerator with at least an 85 percent overall control efficiency.

II. Operational Restrictions

1. The average temperature of the exhaust gases from the thermal incinerator, for any 3-hour block of time, shall not be less than 1400 degrees Fahrenheit 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 average temperature of the exhaust gases from 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.

The permittee shall collect and record the following information for each day for the control equipment:

- a. all 3-hour blocks of time during which the average temperature of the exhaust gases from the thermal incinerator, when the emissions unit was in operation, was less than 1400 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average temperature of the exhaust gases from the thermal incinerator, when the emissions unit was in operation, was less than 1400 degrees Fahrenheit.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly summaries which include 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 deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate and the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for organic compounds, Method 25 of 40 CFR Part 60, Appendix A. The test method(s) which must be employed to demonstrate compliance with the overall control efficiency limitation for organic compounds are specified below.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency", dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). 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.
3. 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).

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: Carbon Processing Furnace (P036)
Activity Description: 11' carbon processing furnace. (New addition)

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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	See A.I.2.a below.
	OAC rule 3745-21-07(J)(2)	See A.I.2.b below.

2. Additional Terms and Conditions

- 2.a This emissions unit shall be controlled with a thermal incinerator with at least a 99 percent overall control efficiency.
- 2.b The thermal incinerator serves as the equally effective control equipment required by OAC rule 3745-21-07(J)(2).

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time, shall be equal to or greater than 1750 degrees Fahrenheit.

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.

The permittee shall collect and record the following information for each day for the control equipment:

- 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 less than 1750 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly summaries which include 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 deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the overall control efficiency limitation: Method 25 of 40 CFR Part 60, Appendix A
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). 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.
3. 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.
4. 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).
5. 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).

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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	2.47 lbs/hr of organic material

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. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for organic materials.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A - 40 CFR Part 60, Appendix A. If applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
 - e. The total mass emission rate of organic materials from an emissions unit equipped with control equipment shall be the sum of the organic material emissions from the vapor control system and the organic material emissions not collected by the control, and any losses associated with the collection and control systems.
2. 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.

Facility Name: **Aircraft Braking Systems Corporation**

Facility ID: **16-77-01-0999**

Emissions Unit: **Carbon Processing Furnace (P036)**

V. Testing Requirements (continued)

3. 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).
4. 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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Carbon Processing Furnace (P037)
Activity Description: 11' carbon processing furnace. (New addition)

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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	See A.I.2.a below.
	OAC rule 3745-21-07(J)(2)	See A.I.2.b below.

2. Additional Terms and Conditions

- 2.a This emissions unit shall be controlled with a thermal incinerator with at least a 99 percent overall control efficiency.
- 2.b The thermal incinerator serves as the equally effective control equipment required by OAC rule 3745-21-07(J)(2).

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time, shall be equal to or greater than 1750 degrees Fahrenheit.

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.

The permittee shall collect and record the following information for each day for the control equipment:

- 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 less than 1750 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly summaries which include 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 deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the overall control efficiency limitation: Method 25 of 40 CFR Part 60, Appendix A
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). 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.
3. 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.
4. 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).
5. 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).

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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	2.47 lbs/hr of organic material

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. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for organic materials.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A - 40 CFR Part 60, Appendix A. If applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
 - e. The total mass emission rate of organic materials from an emissions unit equipped with control equipment shall be the sum of the organic material emissions from the vapor control system and the organic material emissions not collected by the control, and any losses associated with the collection and control systems.
2. 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.

Facility Name: **Aircraft Braking Systems Corporation**

Facility ID: **16-77-01-0999**

Emissions Unit: **Carbon Processing Furnace (P037)**

V. Testing Requirements (continued)

3. 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).
4. 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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Carbon Processing Furnace (P038)
Activity Description: 11' carbon processing furnace. (New addition)

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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	See A.I.2.a below.
	OAC rule 3745-21-07(J)(2)	See A.I.2.b below.

2. Additional Terms and Conditions

- 2.a This emissions unit shall be controlled with a thermal incinerator with at least a 99 percent overall control efficiency.
- 2.b The thermal incinerator serves as the equally effective control equipment required by OAC rule 3745-21-07(J)(2).

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time, shall be equal to or greater than 1750 degrees Fahrenheit.

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.

The permittee shall collect and record the following information for each day for the control equipment:

- 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 less than 1750 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly summaries which include 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 deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the overall control efficiency limitation: Method 25 of 40 CFR Part 60, Appendix A
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). 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.
3. 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.
4. 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).
5. 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).

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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	2.47 lbs/hr of organic material

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. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for organic materials.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A - 40 CFR Part 60, Appendix A. If applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
 - e. The total mass emission rate of organic materials from an emissions unit equipped with control equipment shall be the sum of the organic material emissions from the vapor control system and the organic material emissions not collected by the control, and any losses associated with the collection and control systems.
2. 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.

Facility Name: **Aircraft Braking Systems Corporation**

Facility ID: **16-77-01-0999**

Emissions Unit: **Carbon Processing Furnace (P038)**

V. Testing Requirements (continued)

3. 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).
4. 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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Carbonization Furnace (P039)
Activity Description: Carbonization furnace. (Plant F-Dept. 665).

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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	See A.I.2.a below.
	OAC rule 3745-21-07(J)(2)	See A.I.2.b below.

2. Additional Terms and Conditions

- 2.a This emissions unit shall be controlled with a thermal incinerator with at least a 99 percent overall control efficiency.
- 2.b The thermal incinerator serves as the equally effective control equipment required by OAC rule 3745-21-07(J)(2).

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time, shall be equal to or greater than 1750 degrees Fahrenheit.

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.

The permittee shall collect and record the following information for each day for the control equipment:

- 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 less than 1750 degrees Fahrenheit; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1750 degrees Fahrenheit.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly summaries which include 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 deviation reports and quarterly summaries shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds.
 - c. The following test method(s) shall be employed to demonstrate compliance with the overall control efficiency limitation: Method 25 of 40 CFR Part 60, Appendix A
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95). 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.
3. 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.
4. 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).
5. 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).

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>
11' carbon processing furnace with thermal incinerator	OAC rule 3745-31-05 (PTI 16-1531)	1.92 lbs/hr of organic material

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. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for organic materials.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A - 40 CFR Part 60, Appendix A. If applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
 - e. The total mass emission rate of organic materials from an emissions unit equipped with control equipment shall be the sum of the organic material emissions from the vapor control system and the organic material emissions not collected by the control, and any losses associated with the collection and control systems.
2. 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.

V. Testing Requirements (continued)

3. 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).
4. 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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Binks Paint Spray Booth (R002)

Activity Description: Spray paint booth for coating carbon disks, uses a Blue M drying oven. (Plant F-Dept. 660).

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>
Binks paint spray booth for coating carbon disks with an anti-oxidant coating	OAC rule 3745-31-05 (PTI 16-1550)	See A.II.1 below.
	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-11	0.551 lb/hr of particulate matter
	OAC rule 3745-21-07(G)	See A.II.1 below.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit.
2. The permittee shall operate the exhaust filter system when this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the volume, in gallons, of each coating and cleanup material employed;
 - c. the total volume, in gallons, of all of the coatings and cleanup materials employed; and
 - d. whether the coating and cleanup materials are photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5).
2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. whether or not the exhaust filter system was in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include an identification of each day during which any photochemically reactive coatings and/or materials were employed, and the actual average daily organic compound emissions for each such day.
2. The permittee shall submit deviation (excursion) reports that identify all days when this emissions unit was in operation and the exhaust filter system was not in service.
3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

1.b Emission Limitation:

0.551 lb/hr of particulate matter

Applicable Compliance Method:

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

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

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

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

CE = fractional control efficiency of the control equipment

If required, emission testing shall be performed in accordance with the procedures in 40 CFR Part 60, Appendix A, Method 5.

1.c Operational Restriction:

use of nonphotochemically reactive materials only

Applicable Compliance Method:

In accordance with section A.III.1, daily records will be maintained of the company identification for each coating and cleanup material employed.

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>
Binks paint spray booth for coating carbon disks with an anti-oxidant coating	OAC rule 3745-31-05 (PTI 16-1550)	0.5 lb/hr of organic compounds 0.1 lb/hr of nitric acid (HNO ₃)

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 for each month for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the organic compound and HNO₃ content of each coating and cleanup material, in pounds per gallon;
 - d. the total organic compound and HNO₃ emission rate for all coatings and cleanup materials, in pounds per day;
 - e. the total number of hours the emissions unit was in operation; and
 - f. the average hourly organic compound and HNO₃ emission rate for all coatings and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

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

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. an identification of each month during which the average hourly total organic compound emissions exceeded 0.5 lb/hr, and the actual average hourly organic compound emissions for each such month; and
 - b. an identification of each month during which the average hourly HNO₃ emissions exceeded 0.1 lb/hr, and the actual average hourly HNO₃ emissions for each such month.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

0.5 lb/hr of organic compounds

Applicable Compliance Method:

Monthly records shall be maintained of the organic compound content of each coating and cleanup material employed, the monthly usage of each coating and cleanup material employed, and the calculated average hourly organic compound emission rate for all coatings and cleanup materials employed. Formulation data or USEPA Method 24 shall be used to determine the organic compound content of each coating and cleanup material.

1.b Emission Limitation:

0.1 lb/hr of HNO₃

Applicable Compliance Method:

Monthly records shall be maintained of the HNO₃ content of each coating and cleanup material employed, the monthly usage of each coating and cleanup material employed, and the calculated average hourly HNO₃ emission rate for all coatings and cleanup materials employed. Formulation data or USEPA Method 24 shall be used to determine the HNO₃ content of each coating and cleanup material.

VI. Miscellaneous Requirements

None

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