



State of Ohio Environmental Protection Agency

Street Address:

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

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

Mailing Address:

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

11/20/02

CERTIFIED MAIL

RE: Draft Title V Chapter 3745-77 permit

04-48-01-0413
DaimlerChrysler Corp
Roger L. Brown
1000 Jeep Parkway
Toledo, OH 43657

Dear Roger L. Brown:

You are hereby notified that the Ohio Environmental Protection Agency has prepared the enclosed draft of the Title V permit for the facility referenced above. The purpose of this draft is to solicit public comments. A public notice concerning the draft will appear in the Ohio EPA Weekly Review and the major newspaper in the county where the facility is located. Comments and/or a request for a public hearing from the public and any affected parties will be accepted by Toledo Div of Environmental Services within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled.

A decision on processing the Title V permit will be made after consideration of written public comments and oral testimony (if a public hearing is conducted). After the comment period, you will be provided with a Preliminary Proposed Title V permit and an opportunity to comment prior to the Proposed Title V permit submittal to USEPA.

If you have any questions or comments concerning this draft Title V permit, please contact Toledo Div of Environmental Services.

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA (electronically submitted)
File, DAPC PMU
Toledo Div of Environmental Services



State of Ohio Environmental Protection Agency

DRAFT TITLE V PERMIT

Issue Date: 11/20/02

Effective Date: To be entered upon final issuance

Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 04-48-01-0413 to:

DaimlerChrysler Corp
1000 Jeep Parkway
Toledo, OH 43657

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

Table with 3 columns: Emissions Unit ID (Company ID), Emissions Unit Activity Description, and Emissions Unit Activity Description. Rows include B001 (Boiler #1), B002 (Boiler #2), B013 (Boiler #11), B014 (Boiler #12), B015 (Boiler #13), F003 (Plant roadways and parking lots), G001 (Gasoline Dispensing), K007 (E-Coat), K008 (Spray Prime), K009 (Topcoat Booth 1), K010 (Topcoat Booth 2), K037 (Misc. Sealers and Adhesives), P021 (Misc. Solvent), and P022 (Purge and Misc. Booth Cleaning Solvents).

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above.

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

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

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. *State and Federally Enforceable Section*

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

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

- i. The date, place (as defined in the permit), and time of sampling or measurements.
- ii. The date(s) analyses were performed.
- iii. The company or entity that performed the analyses.
- iv. The analytical techniques or methods used.
- v. The results of such analyses.
- vi. The operating conditions existing at the time of sampling or measurement.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c. The permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

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

ii. **For emission limitations, operational restrictions, and control device operating parameter limitations:**

(a) Written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring and record keeping requirements specified in this permit; (ii) the probable cause of such deviations; and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Part III of this Title V permit, 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the

deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. These written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations. See B.6 below if no deviations occurred during the quarter.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i), (ii) and (iii))

- (b) Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the deviation reporting requirements for this Title V permit, written reports that identify each malfunction that occurred during each calendar quarter shall be submitted, at a minimum, quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year, and shall cover the previous calendar quarters.

In identifying each deviation caused by a malfunction, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Also, if a deviation caused by a malfunction is identified in a written report submitted pursuant to paragraph (a) above, a separate report is not required for that malfunction pursuant to this paragraph. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing, at a minimum, on a quarterly basis.

Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation, operational restriction, and control device operating parameter limitation shall be reported in the same manner as described above for malfunctions. These written reports for malfunctions (and scheduled maintenance projects, if appropriate) shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations.

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

iii. **For monitoring, record keeping, and reporting requirements:**

Written reports that identify any deviations from the federally enforceable monitoring, record keeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year, for the previous six calendar months. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, record keeping, and

reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

- iv. Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

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

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

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

3. Risk Management Plans

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

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

4. Title IV Provisions

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

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

5. Severability Clause

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

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

6. General Requirements

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

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

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

7. Fees

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

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

8. Marketable Permit Programs

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

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

9. Reasonably Anticipated Operating Scenarios

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

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

10. Reopening for Cause

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

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

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

11. Federal and State Enforceability

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

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

12. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

- i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:
- i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
 - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

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

13. Permit Shield

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

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

14. Operational Flexibility

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

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

15. Emergencies

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

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

16. Off-Permit Changes

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

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.
- b. The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as

insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

- c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).
- d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.
- e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

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

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

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

17. Compliance Method Requirements

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

(This term is provided for informational purposes only.)

18. Insignificant Activities

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

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

19. Permit to Install Requirement

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

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

20. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

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

B. State Only Enforceable Section

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

2. Records Retention Requirements

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

3. Inspections and Information Requests

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

shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

4. Scheduled Maintenance/Malfunction Reporting

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

5. Permit Transfers

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

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

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

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

None

B. State Only Enforceable Section

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

F001 - coal handling equipment;
F002 - ash handling equipment;
P023 - XJ MIG and spot welding;
P024 - YJ MIG and spot welding;
P025 - AN MIG and spot welding;
T008 - 20,000-gallon storing no. 2 fuel oil, tank #8;
Z001 - storage tanks;
Z002 - laboratory;
Z003 - fluid fill operations;
Z004 - water wash systems;
Z005 - particulate generation;
Z006 - heaters;
Z007 - parts washers;
Z008 - backup generators/engines; and
Z009 - clean shops stations.

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: 69.8 mmBTU/hr NG/#2 oil Boiler #1

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>
Boiler #1: 69.8 mmBtu/hr natural gas and/or no. 2 fuel oil-fired boiler	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per mmBtu of actual heat input
	OAC rule 3745-18-54(R)	1.5 pounds of sulfur dioxide (SO ₂) per mmBtu of actual heat input
	OAC rule 3745-31-05(A)(3) (PTI 04-247)	Operational restrictions were established in PTI 04-247, as issued on November 16, 1988.
		See A.II.3 below.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1), OAC rule 3745-17-10(B)(1), OAC rule 3745-18-54(R), and OAC rule 3745-31-05(D).
	OAC rule 3745-31-05(D) (PTI 04-247)	Netting and PSD emission limitations were established in PTI 04-247, as issued on November 16, 1988.
	OAC rule 3745-21-08(B)	See A.I.2.a below.
OAC rule 3745-23-06(B)	See A.I.2.b below.	

2. Additional Terms and Conditions

- 2.a** The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed the following as a rolling, 12-month summation:
- i. 56 tons of particulate emissions;
 - ii. 674.3 tons of SO₂;
 - iii. 15.8 tons of non-methane volatile organic compounds (VOC);
 - iv. 181.3 tons of carbon monoxide (CO); and
 - v. 391.8 tons of nitrogen oxides (NO_x).
- 2.b** The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 04-247.

II. Operational Restrictions

1. The permittee shall burn only natural gas and/or no. 2 fuel oil as fuel in this emissions unit.
2. The quality of the oil burned in this emissions unit shall meet the following specifications on an "as received" basis: a sulfur content which is sufficient to comply with the allowable SO₂ emission limitation of 1.5 pounds of SO₂ per mmBtu of actual heat input.
3. The quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, shall not exceed the following as a rolling, 12-month summation:
 - a. 44,777 tons of coal;
 - b. 19.26 million gallons of no. 2 fuel oil; and
 - c. 5,600 million cubic feet of natural gas.

III. Monitoring and/or Record Keeping Requirements

1. For each day which the permittee burns a fuel other than natural gas and/or no. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the oil supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294 for sulfur content and ASTM method D240 for heat content. A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Alternative, equivalent methods may be used upon written approval by the Toledo Division of Environmental Services.
3. For each shipment of oil received for burning in emissions units B001, B002, and B013, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content and the calculated SO₂ emission rate (lb/mmBtu).
4. The permittee shall maintain monthly records of the total quantity of natural gas and no. 2 fuel oil burned in this emissions units.

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

5. The permittee shall maintain monthly records of the total quantity of natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined, and the rolling, 12-month summations for natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined.
6. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from this emissions unit, in tons.
7. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from emissions units B001, B002, B013, B014, and B015, combined, and as a rolling, 12-month summation from emissions units B001, B002, B013, B014, and B015, combined, in tons.

IV. Reporting Requirements

1. The permittee shall submit a certified statement, on a quarterly basis, including copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in emissions units B001, B002, and B013. The permittee's or oil supplier's analyses shall document the sulfur content (%) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the calendar period covered in the report;
 - b. the calculated SO₂ emission rate (lb/mmBtu) for each shipment of no. 2 fuel oil received during the reporting period; and
 - c. reasons for any noncompliance with the emissions standards and a description of the corrective actions taken.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or no. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the particulate, SO₂, non-methane VOC, CO, and/or NO_x emissions, as rolling, 12-month summations, exceeded the emission limitations specified in section A.I.2.a for emissions units B001, B002, B013, B014, and B015, combined, and the actual particulate, SO₂, non-methane VOC, CO, and NO_x emissions for each such month.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, as rolling, 12-month summations, exceeded the operational restrictions specified in section A.II.3, and the actual quantity of fuel burned for each such month.
5. 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 sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:

0.020 pound of particulate emissions per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon calculations employing emission factors for natural gas and no. 2 fuel oil as specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98 and Section 1.3, Table 1.3-1, dated 9/98, respectively, as follows:

- i. when firing natural gas, compliance may be based upon an emission factor of 1.9 pounds of particulate emissions per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot; and
- ii. when firing fuel oil, compliance may be based upon an emission factor of 2 pounds of particulate emissions per 1000 gallons and a heating value of 140 mmBtu per 1000 gallons.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

1.c Emission Limitation:

1.5 pounds of SO₂ per mmBtu of actual heat input

Applicable Compliance Method:

When firing natural gas, compliance may be demonstrated based upon an emission factor of 0.6 pound of SO₂ per million standard cubic feet of natural gas, specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors; Section 1.4, Table 1.4-2, dated 7/98.

When firing no. 2 fuel oil, compliance may be demonstrated based upon the monitoring and record keeping requirements of sections A.III.2 and A.III.3 and the calculation specified in OAC rule 3745-18-04(F)(2).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

V. Testing Requirements (continued)

1.d Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 56 tons of particulate emissions as a rolling, 12-month summation.

Applicable Compliance Method:

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

- i. for natural gas, an emission factor of 1.9 pounds of particulate emissions per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98;
- ii. for fuel oil, an emission factor of 2 pounds of particulate emissions per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.00194 pound of particulate emissions per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.00235 pound of particulate emissions per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

1.e Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 674.3 tons of SO₂ as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III and OAC rule 3745-18-04(F); or

- i. for natural gas, an emission factor of 0.6 pound of SO₂ per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 143S pounds of SO₂ per 1000 gallons; and
- iii. for coal, an emission factor of 35S pounds of SO₂ per ton, where S indicates that the weight percent sulfur in the fuel should be multiplied by the value given.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3-1 for no. 2 fuel oil, dated 9/98 and Section 1.1, Table 1.1-3 for coal, dated 9/98.

The permittee shall utilize the highest value for S based on the records in section A.III.

V. Testing Requirements (continued)

1.f Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 15.8 tons of non-methane VOC as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 5.5 pounds of non-methane VOC per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 0.2 pound of non-methane VOC per 1000 gallons; and
- iii. for coal, an emission factor of 0.05 pound of non-methane VOC per ton.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3-3 for no. 2 fuel oil, dated 9/98, and Section 1.1, Table 1.1-19 for coal, dated 9/98.

1.g Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 181.3 tons of CO as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 84 pounds of CO per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 5 pounds of CO per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests which demonstrated the units were in compliance (for B014 - 0.13 pound of CO per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.27 pound of CO per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

V. Testing Requirements (continued)

1.h Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 391.8 tons of NO_x as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 100 pounds of NO_x per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 20 pounds of NO_x per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests which demonstrated the units were in compliance (for B014 - 0.60 pound of NO_x per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.49 pound of NO_x per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #2 (B002)
Activity Description: 69.8 mmBTU/hr NG/#2 oil Boiler #2

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>
Boiler #2: 69.8 mmBtu/hr natural gas and/or no. 2 fuel oil-fired boiler	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per mmBtu of actual heat input
	OAC rule 3745-18-54(R)	1.5 pounds of sulfur dioxide (SO ₂) per mmBtu of actual heat input
	OAC rule 3745-31-05(A)(3) (PTI 04-247)	Operational restrictions were established in PTI 04-247, as issued on November 16, 1988.
		See A.II.3 below.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1), OAC rule 3745-17-10(B)(1), OAC rule 3745-18-54(R), and OAC rule 3745-31-05(D).
	OAC rule 3745-31-05(D) (PTI 04-247)	Netting and PSD emission limitations were established in PTI 04-247, as issued on November 16, 1988.
	See A.I.2.a below.	
OAC rule 3745-21-08(B)	See A.I.2.b below.	
OAC rule 3745-23-06(B)	See A.I.2.b below.	

2. Additional Terms and Conditions

- 2.a** The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed the following as a rolling, 12-month summation:
- i. 56 tons of particulate emissions;
 - ii. 674.3 tons of SO₂;
 - iii. 15.8 tons of non-methane volatile organic compounds (VOC);
 - iv. 181.3 tons of carbon monoxide (CO); and
 - v. 391.8 tons of nitrogen oxides (NO_x).
- 2.b** The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 04-247.

II. Operational Restrictions

1. The permittee shall burn only natural gas and/or no. 2 fuel oil as fuel in this emissions unit.
2. The quality of the oil burned in this emissions unit shall meet the following specifications on an "as received" basis: a sulfur content which is sufficient to comply with the allowable SO₂ emission limitation of 1.5 pounds of SO₂ per mmBtu of actual heat input.
3. The quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, shall not exceed the following as a rolling, 12-month summation:
 - a. 44,777 tons of coal;
 - b. 19.26 million gallons of no. 2 fuel oil; and
 - c. 5,600 million cubic feet of natural gas.

III. Monitoring and/or Record Keeping Requirements

1. For each day which the permittee burns a fuel other than natural gas and/or no. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the oil supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294 for sulfur content and ASTM method D240 for heat content. A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Alternative, equivalent methods may be used upon written approval by the Toledo Division of Environmental Services.
3. For each shipment of oil received for burning in emissions units B001, B002, and B013, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content and the calculated SO₂ emission rate (lb/mmBtu).
4. The permittee shall maintain monthly records of the total quantity of natural gas and no. 2 fuel oil burned in this emissions units.

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

5. The permittee shall maintain monthly records of the total quantity of natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined, and the rolling, 12-month summations for natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined.
6. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from this emissions unit, in tons.
7. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from emissions units B001, B002, B013, B014, and B015, combined, and as a rolling, 12-month summation from emissions units B001, B002, B013, B014, and B015, combined, in tons.

IV. Reporting Requirements

1. The permittee shall submit a certified statement, on a quarterly basis, including copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in emissions units B001, B002, and B013. The permittee's or oil supplier's analyses shall document the sulfur content (%) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the calendar period covered in the report;
 - b. the calculated SO₂ emission rate (lb/mmBtu) for each shipment of no. 2 fuel oil received during the reporting period; and
 - c. reasons for any noncompliance with the emissions standards and a description of the corrective actions taken.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or no. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the particulate, SO₂, non-methane VOC, CO, and/or NO_x emissions, as rolling, 12-month summations, exceeded the emission limitations specified in section A.I.2.a for emissions units B001, B002, B013, B014, and B015, combined, and the actual particulate, SO₂, non-methane VOC, CO, and NO_x emissions for each such month.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, as rolling, 12-month summations, exceeded the operational restrictions specified in section A.II.3, and the actual quantity of fuel burned for each such month.
5. 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 sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:

0.020 pound of particulate emissions per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon calculations employing emission factors for natural gas and no. 2 fuel oil as specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98 and Section 1.3, Table 1.3-1, dated 9/98, respectively, as follows:

- i. when firing natural gas, compliance may be based upon an emission factor of 1.9 pounds of particulate emissions per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot; and
- ii. when firing fuel oil, compliance may be based upon an emission factor of 2 pounds of particulate emissions per 1000 gallons and a heating value of 140 mmBtu per 1000 gallons.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

1.c Emission Limitation:

1.5 pounds of SO₂ per mmBtu of actual heat input

Applicable Compliance Method:

When firing natural gas, compliance may be demonstrated based upon an emission factor of 0.6 pound of SO₂ per million standard cubic feet of natural gas, specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors; Section 1.4, Table 1.4-2, dated 7/98.

When firing no. 2 fuel oil, compliance may be demonstrated based upon the monitoring and record keeping requirements of sections A.III.2 and A.III.3 and the calculation specified in OAC rule 3745-18-04(F)(2).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

V. Testing Requirements (continued)

1.d Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 56 tons of particulate emissions as a rolling, 12-month summation.

Applicable Compliance Method:

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

- i. for natural gas, an emission factor of 1.9 pounds of particulate emissions per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98;
- ii. for fuel oil, an emission factor of 2 pounds of particulate emissions per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.00194 pound of particulate emissions per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.00235 pound of particulate emissions per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

1.e Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 674.3 tons of SO₂ as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III and OAC rule 3745-18-04(F); or

- i. for natural gas, an emission factor of 0.6 pound of SO₂ per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 143S pounds of SO₂ per 1000 gallons; and
- iii. for coal, an emission factor of 35S pounds of SO₂ per ton, where S indicates that the weight percent sulfur in the fuel should be multiplied by the value given.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3-1 for no. 2 fuel oil, dated 9/98 and Section 1.1, Table 1.1-3 for coal, dated 9/98.

The permittee shall utilize the highest value for S based on the records in section A.III.

V. Testing Requirements (continued)

1.f Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 15.8 tons of non-methane VOC as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 5.5 pounds of non-methane VOC per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 0.2 pound of non-methane VOC per 1000 gallons; and
- iii. for coal, an emission factor of 0.05 pound of non-methane VOC per ton.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3-3 for no. 2 fuel oil, dated 9/98, and Section 1.1, Table 1.1-19 for coal, dated 9/98.

1.g Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 181.3 tons of CO as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 84 pounds of CO per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 5 pounds of CO per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests which demonstrated the units were in compliance (for B014 - 0.13 pound of CO per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.27 pound of CO per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

V. Testing Requirements (continued)

1.h Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 391.8 tons of NO_x as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 100 pounds of NO_x per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 20 pounds of NO_x per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests which demonstrated the units were in compliance (for B014 - 0.60 pound of NO_x per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.49 pound of NO_x per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #11 (B013)
Activity Description: 82.2 mmBTU/hr NG/#2 oil Boiler #11

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>
Boiler #11: 82.2 mmBtu/hr natural gas and/or no. 2 fuel oil-fired boiler	OAC rule 3745-17-07(A)(1)	See A.I.2.a below.
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per mmBtu of actual heat input
	OAC rule 3745-18-06(A)	See A.I.2.b below.
	OAC rule 3745-18-06(D)	See A.I.2.a below.
	OAC rule 3745-21-08(B)	See A.I.2.c below.
	OAC rule 3745-23-06(B)	See A.I.2.c below.
	OAC rule 3745-31-05(A)(3) (PTI 04-247)	Visible particulate emissions from any stack shall not exceed 0% opacity as a 6-minute average.
		0.52 pound of sulfur dioxide (SO ₂) per mmBtu of actual heat input when burning no. 2 fuel oil
		0.6 pound of SO ₂ per million standard cubic feet when burning natural gas
		0.145 pound of nitrogen oxides (NO _x) per mmBtu of actual heat input
	Operational restrictions were established in PTI 04-247, as issued November 16, 1988.	
	See A.I.2.d and A.II.3 below.	
OAC rule 3745-31-05(D) (PTI 04-247)	Netting and PSD limitations were established in PTI 04-247, as issued November 16, 1988.	
	See A.I.2.e below.	

2. Additional Terms and Conditions

- 2.a** The emission limitation(s) required by this applicable rule is(are) less stringent than the emission limitations established pursuant to the best available technology requirement specified in OAC rule 3745-31-05(A)(3).
- 2.b** This emissions unit is exempted from the emission limitation specified in OAC rule 3745-18-06(D) provided that the permittee complies with the emission limitation established pursuant to the best available technology requirement specified in OAC rule 3745-31-05(A)(3).
- 2.c** The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 04-247.
- 2.d** The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-10(B)(1), OAC rule 3745-21-08(B), OAC rule 3745-23-06(B), and OAC rule 3745-31-05(D).
- 2.e** The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed the following as a rolling, 12-month summation:
 - i. 56 tons of particulate emissions;
 - ii. 674.3 tons of SO₂;
 - iii. 15.8 tons of non-methane volatile organic compounds (VOC);
 - iv. 181.3 tons of carbon monoxide (CO); and
 - v. 391.8 tons of nitrogen oxides (NO_x).

II. Operational Restrictions

- 1.** The permittee shall burn only natural gas and/or no. 2 fuel oil as fuel in this emissions unit.
- 2.** The quality of the oil burned in this emissions unit shall meet the following specifications on an "as received" basis: a sulfur content which is sufficient to comply with the allowable SO₂ emission limitation of 0.52 pound of SO₂ per mmBtu of actual heat input.
- 3.** The quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, shall not exceed the following as a rolling, 12-month summation:
 - a. 44,777 tons of coal;
 - b. 19.26 million gallons of no. 2 fuel oil; and
 - c. 5,600 million cubic feet of natural gas.

III. Monitoring and/or Record Keeping Requirements

- 1.** For each day which the permittee burns a fuel other than natural gas and/or no. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- 2.** The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the oil supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294 for sulfur content and ASTM method D240 for heat content. A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. Alternative, equivalent methods may be used upon written approval by the Toledo Division of Environmental Services.

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

3. For each shipment of oil received for burning in emissions units B001, B002, and B013, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content and the calculated SO₂ emission rate (lb/mmBtu).
4. The permittee shall maintain monthly records of the total quantity of natural gas and no. 2 fuel oil burned in this emissions units.
5. The permittee shall maintain monthly records of the total quantity of natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined, and the rolling, 12-month summations for natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined.
6. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from this emissions unit, in tons.
7. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from emissions units B001, B002, B013, B014, and B015, combined, and as a rolling, 12-month summation from emissions units B001, B002, B013, B014, and B015, combined, in tons.

IV. Reporting Requirements

1. The permittee shall submit a certified statement, on a quarterly basis, including copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in emissions units B001, B002, and B013. The permittee's or oil supplier's analyses shall document the sulfur content (%) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the calendar period covered in the report;
 - b. the calculated SO₂ emission rate (lb/mmBtu) for each shipment of no. 2 fuel oil received during the reporting period; and
 - c. reasons for any noncompliance with the emissions standards and a description of the corrective actions taken.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or no. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the particulate, SO₂, non-methane VOC, CO, and/or NO_x emissions, as rolling, 12-month summations, exceeded the emission limitations specified in section A.I.2.a for emissions units B001, B002, B013, B014, and B015, combined, and the actual particulate, SO₂, non-methane VOC, CO, and NO_x emissions for each such month.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, as rolling, 12-month summations, exceeded the operational restrictions specified in section A.II.3, and the actual quantity of fuel burned for each such month.
5. 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 sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 0% opacity as a 6-minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.b Emission Limitation:

0.020 pound of particulate emissions per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon calculations employing emission factors for natural gas and no. 2 fuel oil as specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98 and Section 1.3, Table 1.3-1, dated 9/98, respectively, as follows:

- i. when firing natural gas, compliance may be based upon an emission factor of 1.9 pounds of particulate emissions per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot; and
- ii. when firing fuel oil, compliance may be based upon an emission factor of 2 pounds of particulate emissions per 1000 gallons and a heating value of 140 mmBtu per 1000 gallons.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

1.c Emission Limitation:

0.145 pound of NO_x per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon an emission factor developed during the most recent emission tests that demonstrated the emissions unit was in compliance (0.08 pound of NO_x per mmBtu from emission testing performed on November 14, 1990). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

1.d Emission Limitation:

0.52 pound of SO₂ per mmBtu of actual heat input when burning no. 2 fuel oil

Applicable Compliance Method:

When firing no. 2 fuel oil, compliance may be demonstrated based upon OAC rule 3745-18-04(F)(2) and the monitoring and record keeping requirements of sections A.III.2 and A.III.3. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

V. Testing Requirements (continued)

1.e Emission Limitation:

0.6 pound of SO₂ per million cubic feet of natural gas when burning natural gas

Applicable Compliance Method:

When firing natural gas, compliance may be demonstrated based upon an emission factor of 0.6 pound of SO₂ per million standard cubic feet, specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98 or the records required pursuant to section A.III.3.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A.

Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

1.f Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 56 tons of particulate emissions as a rolling, 12-month summation.

Applicable Compliance Method:

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

i. for natural gas, an emission factor of 1.9 pounds of particulate emissions per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98;

ii. for fuel oil, an emission factor of 2 pounds of particulate emissions per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and

iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.00194 pound of particulate emissions per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.00235 pound of particulate emissions per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

V. Testing Requirements (continued)

1.g Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 674.3 tons of SO₂ as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III and OAC rule 3745-18-04(F); or

- i. for natural gas, an emission factor of 0.6 pound of SO₂ per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 143S pounds of SO₂ per 1000 gallons; and
- iii. for coal, an emission factor of 35S pounds of SO₂ per ton, where S indicates that the weight percent sulfur in the fuel should be multiplied by the value given.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3.1 for no. 2 fuel oil, dated 9/98 and Section 1.1, Table 1.1-3 for coal, dated 9/98.

The permittee shall utilize the highest value for S based on the records in section A.III.

1.h Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 15.8 tons of non-methane VOC as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 5.5 pounds of non-methane VOC per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 0.2 pound of non-methane VOC per 1000 gallons; and
- iii. for coal, an emission factor of 0.05 pound of non-methane VOC per ton.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3-3 for no. 2 fuel oil, dated 9/98, and Section 1.1, Table 1.1-19 for coal, dated 9/98.

V. Testing Requirements (continued)

1.i Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 181.3 tons of CO as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 84 pounds of CO per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 5 pounds of CO per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.13 pound of CO per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.27 pound of CO per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

1.j Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 391.8 tons of NOx as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 100 pounds of NOx per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 20 pounds of NOx per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.60 pound of NOx per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.49 pound of NOx per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #12 (B014)

Activity Description: 84.0 mmBTU/hr Coal Spreader Stoker W/Baghouse Boiler #12

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>
Boiler #12: 84.0 mmBtu/hr coal-fired boiler, controlled with a fabric filter	OAC rule 3745-17-07(A)(1)	See A.I.2.a below.
	OAC rule 3745-17-10(C)(1)	See A.I.2.a below.
	OAC rule 3745-18-54(A)	See A.I.2.a below.
	OAC rule 3745-21-08(B)	See A.I.2.b below.
	OAC rule 3745-23-06(B)	See A.I.2.b below.
	OAC rule 3745-31-05(A)(3) (PTI 04-247)	Visible particulate emissions from any stack shall not exceed 5% opacity as a 6-minute average. 0.06 pound of particulate emissions per mmBtu of actual heat input 1.2 pounds of sulfur dioxide (SO ₂) per mmBtu of actual heat input 0.7 pound of nitrogen oxides (NO _x) per mmBtu of actual heat input Operational restrictions were established in PTI 04-247 as issued November 16, 1988.
	OAC rule 3745-31-05(D) (PTI 04-247)	See A.I.2.c and A.II.3 below. Netting and PSD limitations were established in PTI 04-247 as issued November 16, 1988.
		See A.I.2.d below.

2. Additional Terms and Conditions

- 2.a** The emission limitation(s) required by this applicable rule is(are) less stringent than the emission limitations established pursuant to the best available technology requirement specified in OAC rule 3745-31-05(A)(3).
- 2.b** The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 04-247.
- 2.c** The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-08(B), OAC rule 3745-23-06(B), and OAC rule 3745-31-05(D).
- 2.d** The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed the following as a rolling, 12-month summation:
 - i. 56 tons of particulate emissions;
 - ii. 674.3 tons of SO₂;
 - iii. 15.8 tons of non-methane volatile organic compounds (VOC);
 - iv. 181.3 tons of carbon monoxide (CO); and
 - v. 391.8 tons of NO_x.

II. Operational Restrictions

- 1.** The pressure drop across the baghouse shall be maintained within the range of 2 to 6 inches of water while the emissions unit is in operation.
- 2.** No prior notice is required for the permittee to operate other permitted boilers in conjunction with this emissions unit.
- 3.** The quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, shall not exceed the following as a rolling, 12-month summation:
 - a. 44,777 tons of coal;
 - b. 19.26 million gallons of no. 2 fuel oil; and
 - c. 5,600 million cubic feet of natural gas.

III. Monitoring and/or Record Keeping Requirements

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

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

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.
3. The permittee shall collect a representative sample of each shipment of coal which is received for burning in emissions units B014 and B015. The coal sampling shall be performed in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. At the end of each calendar month, the representative samples of coal from all shipments of coal which were received during that calendar month shall be combined into one composite sample.

Each monthly composite sample of coal shall be analyzed for ash content (%), sulfur content (%), and heat content (Btu/lb of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method D3174, Ash in the Analysis of Coal and Coke; ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D5865, Gross Calorific Value of Coal and Coke, respectively. Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

4. The permittee shall maintain monthly records of the total quantity of coal received for burning in emissions units B014 and B015, and the results of the analyses for ash content, sulfur content, heat content, and the calculated SO₂ emission rate (lb/mmBtu).
5. The permittee shall maintain monthly records of the total quantity of coal burned in this emissions units.
6. The permittee shall maintain monthly records of the total quantity of natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined, and the rolling, 12-month summations for natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined.
7. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from this emissions unit, in tons.
8. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from emissions units B001, B002, B013, B014, and B015, combined, and as a rolling, 12-month summation from emissions units B001, B002, B013, B014, and B015, combined, in tons.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

IV. Reporting Requirements (continued)

3. Quarterly reports shall be submitted concerning the quality and quantity of coal received for burning in emissions units B014 and B015. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
 - a. the total quantity of coal received (tons);
 - b. the average ash content (%) of the coal received;
 - c. the average sulfur content (%) of the coal received;
 - d. the average heat content (Btu/lb) of the coal received; and
 - e. the average SO₂ emission rate (pounds of SO₂ per mmBtu of actual heat input) from the coal received.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the particulate, SO₂, non-methane VOC, CO, and NO_x emissions, as rolling, 12-month summations, exceeded the emission limitations specified in section A.I.2.a for emissions units B001, B002, B013, B014, and B015, combined, and the actual particulate, SO₂, non-methane VOC, CO, and NO_x emissions for each such month.
5. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, as rolling, 12-month summations, exceeded the operational restrictions specified in section A.II.3, and the actual quantity of fuel burned for each such month.
6. 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 sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 5% opacity as a 6-minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.b Emission Limitation:

0.06 pound of particulate emissions per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon an emission factor established during the most recent emission tests that demonstrated the emissions unit was in compliance (0.00235 pound of particulate emissions per mmBtu based on emission testing performed on February 5, 1998).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 5 of 40 CFR Part 60, Appendix A.

Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

V. Testing Requirements (continued)

1.c Emission Limitation:

1.2 pounds of SO₂ per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon the monitoring and record keeping requirements specified in sections A.III.4 and A.III.5 and the calculation in OAC rule 3745-18-04(F)(1).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A.

Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

1.d Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 56 tons of particulate emissions as a rolling, 12-month summation.

Applicable Compliance Method:

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

- i. for natural gas, an emission factor of 1.9 pounds of particulate emissions per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1-4, Table 1.4-2, dated 7/98;
- ii. for fuel oil, an emission factor of 2 pounds of particulate emissions per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.00194 pound of particulate emissions per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.00235 pound of particulate emissions per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

V. Testing Requirements (continued)

1.e Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 674.3 tons of SO₂ as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III and OAC rule 3745-18-04(F); or

- i. for natural gas, an emission factor of 0.6 pound of SO₂ per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 143S pounds of SO₂ per 1000 gallons; and
- iii. for coal, an emission factor of 35S pounds of SO₂ per ton, where S indicates that the weight percent sulfur in the fuel should be multiplied by the value given.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3-1 for no. 2 fuel oil, dated 9/98 and Section 1.1, Table 1.1-3 for coal, dated 9/98.

The permittee shall utilize the highest value for S based on the records in section A.III.

1.f Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 15.8 tons of non-methane VOC as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 5.5 pounds of non-methane VOC per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 0.2 pound of non-methane VOC per 1000 gallons; and
- iii. for coal, an emission factor of 0.05 pound of non-methane VOC per ton.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3-3 for no. 2 fuel oil, dated 9/98, and Section 1.1, Table 1.1-19 for coal, dated 9/98.

V. Testing Requirements (continued)

1.g Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 181.3 tons of CO as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 84 pounds of CO per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 5 pounds of CO per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.13 pound of CO per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.27 pound of CO per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

1.h Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 391.8 tons of NOx as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 100 pounds of NOx per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 20 pounds of NOx per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.60 pound of NOx per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.49 pound of NOx per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

V. Testing Requirements (continued)

1.i Emission Limitation:

0.7 pound of NO_x per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon the most recent emission tests that demonstrated the emissions unit was in compliance (0.60 pound of NO_x per mmBtu based on stack testing performed on January 28, 1998).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A.

Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #13 (B015)

Activity Description: 84.0 mmBTU/hr Coal Spreader Stoker W/Baghouse Boiler #13

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>
Boiler #13: 84.0 mmBtu/hr coal-fired boiler, controlled with a fabric filter	OAC rule 3745-17-07(A)(1)	See A.I.2.a below.
	OAC rule 3745-17-10(C)(1)	See A.I.2.a below.
	OAC rule 3745-18-54(A)	See A.I.2.a below.
	OAC rule 3745-21-08(B)	See A.I.2.b below.
	OAC rule 3745-23-06(B)	See A.I.2.b below.
	OAC rule 3745-31-05(A)(3) (PTI 04-247)	Visible particulate emissions from any stack shall not exceed 5% opacity as a 6-minute average. 0.06 pound of particulate emissions per mmBtu of actual heat input 1.2 pounds of sulfur dioxide (SO ₂) per mmBtu of actual heat input 0.7 pound of nitrogen oxides (NO _x) per mmBtu of actual heat input Operational restrictions were established in PTI 04-247 as issued November 16, 1988.
		See A.I.2.c and A.II.3 below.
	OAC rule 3745-31-05(D) (PTI 04-247)	Netting and PSD limitations were established in PTI 04-247 as issued November 16, 1988.
		See A.I.2.d below.

2. Additional Terms and Conditions

- 2.a** The emission limitation(s) required by this applicable rule is(are) less stringent than the emission limitations established pursuant to the best available technology requirement specified in OAC rule 3745-31-05(A)(3).
- 2.b** The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively, by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 04-247.
- 2.c** The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-08(B), OAC rule 3745-23-06(B), and OAC rule 3745-31-05(D).
- 2.d** The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed the following as a rolling, 12-month summation:
 - i. 56 tons of particulate emissions;
 - ii. 674.3 tons of SO₂;
 - iii. 15.8 tons of non-methane volatile organic compounds (VOC);
 - iv. 181.3 tons of carbon monoxide (CO); and
 - v. 391.8 tons of NO_x.

II. Operational Restrictions

- 1.** The pressure drop across the baghouse shall be maintained within the range of 2 to 6 inches of water while the emissions unit is in operation.
- 2.** No prior notice is required for the permittee to operate other permitted boilers in conjunction with this emissions unit.
- 3.** The quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, shall not exceed the following as a rolling, 12-month summation:
 - a. 44,777 tons of coal;
 - b. 19.26 million gallons of no. 2 fuel oil; and
 - c. 5,600 million cubic feet of natural gas.

III. Monitoring and/or Record Keeping Requirements

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

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

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.
3. The permittee shall collect a representative sample of each shipment of coal which is received for burning in emissions units B014 and B015. The coal sampling shall be performed in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. At the end of each calendar month, the representative samples of coal from all shipments of coal which were received during that calendar month shall be combined into one composite sample.

Each monthly composite sample of coal shall be analyzed for ash content (%), sulfur content (%), and heat content (Btu/lb of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method D3174, Ash in the Analysis of Coal and Coke; ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D5865, Gross Calorific Value of Coal and Coke, respectively. Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

4. The permittee shall maintain monthly records of the total quantity of coal received for burning in emissions units B014 and B015, and the results of the analyses for ash content, sulfur content, heat content, and the calculated SO₂ emission rate (lb/mmBtu).
5. The permittee shall maintain monthly records of the total quantity of coal burned in this emissions units.
6. The permittee shall maintain monthly records of the total quantity of natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined, and the rolling, 12-month summations for natural gas, no. 2 fuel oil, and coal burned in emissions units B001, B002, B013, B014, and B015, combined.
7. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from this emissions unit, in tons.
8. The permittee shall maintain monthly records of the total particulate, SO₂, non-methane VOC, CO, and NO_x emissions from emissions units B001, B002, B013, B014, and B015, combined, and as a rolling, 12-month summation from emissions units B001, B002, B013, B014, and B015, combined, in tons.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

IV. Reporting Requirements (continued)

3. Quarterly reports shall be submitted concerning the quality and quantity of coal received for burning in emissions units B014 and B015. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
 - a. the total quantity of coal received (tons);
 - b. the average ash content (%) of the coal received;
 - c. the average sulfur content (%) of the coal received;
 - d. the average heat content (Btu/lb) of the coal received; and
 - e. the average SO₂ emission rate (pounds of SO₂ per mmBtu of actual heat input) from the coal received.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the particulate, SO₂, non-methane VOC, CO, and NO_x emissions, as rolling, 12-month summations, exceeded the emission limitations specified in section A.I.2.a for emissions units B001, B002, B013, B014, and B015, combined, and the actual particulate, SO₂, non-methane VOC, CO, and NO_x emissions for each such month.
5. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of fuel burned in emissions units B001, B002, B013, B014, and B015, combined, as rolling, 12-month summations, exceeded the operational restrictions specified in section A.II.3, and the actual quantity of fuel burned for each such month.
6. 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 sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

- 1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 5% opacity as a 6-minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

- 1.b Emission Limitation:

0.06 pound of particulate emissions per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon an emission factor established during the most recent emission tests that demonstrated the emissions unit was in compliance (0.00235 pound of particulate emissions per mmBtu based on emission testing performed on February 5, 1998).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 5 of 40 CFR Part 60, Appendix A.

Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

V. Testing Requirements (continued)

1.c Emission Limitation:

1.2 pounds of SO₂ per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon the monitoring and record keeping requirements specified in sections A.III.4 and A.III.5 and the calculation in OAC rule 3745-18-04(F)(1).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A.

Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

1.d Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 56 tons of particulate emissions as a rolling, 12-month summation.

Applicable Compliance Method:

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

i. for natural gas, an emission factor of 1.9 pounds of particulate emissions per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1-4, Table 1.4-2, dated 7/98;

ii. for fuel oil, an emission factor of 2 pounds of particulate emissions per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and

iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.00194 pound of particulate emissions per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.00235 pound of particulate emissions per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

V. Testing Requirements (continued)

1.e Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 674.3 tons of SO₂ as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III and OAC rule 3745-18-04(F); or

- i. for natural gas, an emission factor of 0.6 pound of SO₂ per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 143S pounds of SO₂ per 1000 gallons; and
- iii. for coal, an emission factor of 35S pounds of SO₂ per ton, where S indicates that the weight percent sulfur in the fuel should be multiplied by the value given.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3-1 for no. 2 fuel oil, dated 9/98 and Section 1.1, Table 1.1-3 for coal, dated 9/98.

The permittee shall utilize the highest value for S based on the records in section A.III.

1.f Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 15.8 tons of non-methane VOC as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 5.5 pounds of non-methane VOC per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot;
- ii. for fuel oil, an emission factor of 0.2 pound of non-methane VOC per 1000 gallons; and
- iii. for coal, an emission factor of 0.05 pound of non-methane VOC per ton.

These emission factors are specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 for natural gas, dated 7/98, Section 1.3, Table 1.3-3 for no. 2 fuel oil, dated 9/98, and Section 1.1, Table 1.1-19 for coal, dated 9/98.

V. Testing Requirements (continued)

1.g Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 181.3 tons of CO as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 84 pounds of CO per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 5 pounds of CO per 1000 gallons and a heating value of 140 million Btu per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.13 pound of CO per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.27 pound of CO per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

1.h Emission Limitation:

The combined emissions from emissions units B001, B002, B013, B014, and B015 shall not exceed 391.8 tons of NOx as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements of section A.III; and

- i. for natural gas, an emission factor of 100 pounds of NOx per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 2/98;
- ii. for fuel oil, an emission factor of 20 pounds of NOx per 1000 gallons from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98; and
- iii. for coal, emission factors based on the most recent emission tests that demonstrated the units were in compliance (for B014 - 0.60 pound of NOx per mmBtu and 13,735 Btu per pound of coal based on emission testing performed on January 28, 1998; and for B015 - 0.49 pound of NOx per mmBtu and 14,098 Btu per pound of coal based on emission testing performed on February 5, 1998).

V. Testing Requirements (continued)

1.i Emission Limitation:

0.7 pound of NOx per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon the most recent emission tests that demonstrated the emissions unit was in compliance (0.60 pound of NOx per mmBtu based on stack testing performed on January 28, 1998).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A.

Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<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: Plant roadways and parking lots (F003)
Activity Description: Roadways and parking lots w/control. Lots #1 & #2

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paved roadways and parking areas (see section A.I.2.a)	OAC rule 3745-17-07(B)(4)	no visible particulate emissions except for 6 minutes during any 60-minute period
	OAC rule 3745-17-08(B), (B)(8), (B)(9)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.c, A.I.2.d, A.I.2.e, A.I.2.g, and A.I.2.i)
unpaved roadways and parking areas (see section A.I.2.b)	OAC rule 3745-17-07(B)(5)	no visible particulate emissions except for 13 minutes during any 60-minute period
	OAC rule 3745-17-08(B), (B)(2)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.f through A.I.2.i)

2. Additional Terms and Conditions

- 2.a The paved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

Paved roadways: Die Storage Lot, Powerhouse Lot, 90 Receiving Lot, 90 Building Drive, 45/46 Building Roadway, 45/49 Tunnel Roadway, Yost Street, 8 Dock Roadway, Rack Storage Pad Roadway, Wastewater Treatment (WWT) Plant Roadway & 37/49 Roadway.

Paved parking areas: Lot #1 - Gate 4 & 10 Employee Parking Lot, Lot #2 - Gate 3 Employee Parking Lot, Lot #4 - Gate 3 Visitor Parking Lot, Lot #5 - Haul Away Lot, Lot #6A - Linker Yard Lot, Lot #8 - 52 Building Employee Parking Lot, Lot #9 - Coney Island/Car Overflow Parking Lot, Lot #10 - 110 Building Employee Rooftop Parking Lot, Lot #11 - Tank Farm Lot and Lot #12 - Gate 5 Employee Parking Lot.

2. Additional Terms and Conditions (continued)

- 2.b** The unpaved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

Unpaved roadways: 37 Dock Area Roadway.

Unpaved parking areas: Lot #6B - Linker Yard Lot, Lot #7 - Berdan Truck Lot and Lot #10A - 110 Building Employee Rooftop Parking Lot.

- 2.c** The permittee shall employ reasonably available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the paved roadways and parking areas by flushing with water, sweeping, and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.d** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.e** The permittee shall employ reasonably available control measures on the unpaved shoulders of all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the unpaved shoulders of all paved roadways with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.f** The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the unpaved roadways and parking areas with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.g** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.h** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measures specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- 2.i** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.j** Implementation of the above control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

II. Operational Restrictions

None

V. Testing Requirements

1. Compliance with the emission limitation for the paved and unpaved roadways and parking areas identified above may be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.*

*The procedures relating to Test Method 22 reflect the settlement agreement reached between Ohio EPA and the Ohio Electric Utilities concerning the Utilities' appeal to the Ohio Environmental Review Appeals Commission of the 1991 revisions and additions to OAC Chapter 3745-17. The revised rule containing the procedures was adopted by the Director of Ohio EPA in December, 1997. The USEPA and the Ohio Electric Utilities have agreed to consider the procedures as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of the procedures as a revision to the Ohio SIP for particulate matter.

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: Gasoline Dispensing (G001)
Activity Description: GDF over 240,000 gal. in compliance

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>
gasoline storage tank(s): one 6,000-gallon, and two 20,000-gallon underground storage tank(s), tank ID's: 39-1-03, 90-1-43, and 90-1-44	OAC rule 3745-21-09(R)	See A.1.2 below.

2. Additional Terms and Conditions

- 2.a For any transfer of gasoline from a delivery vessel to a stationary storage tank located at this facility, the vapors displaced from the stationary storage tank shall be processed by employing a vapor control system which is designed and operated to recover at least 90%, by weight, of the VOC in the displaced vapors.
- 2.b Any stationary storage tank which stores gasoline at the facility shall be equipped with a submerged fill pipe.

II. Operational Restrictions

1. The permittee shall comply with the following operational restrictions for the Stage I vapor control system:
 - a. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
 - b. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
 - c. There shall be no leaks in the vapor lines or liquid lines during the transfer of gasoline.
 - d. The transfer of gasoline from a delivery vessel to a stationary storage tank shall be conducted by use of submerged fill into the storage tank. The submerged fill pipe(s) are to be installed so they are within six (6) inches of the bottom of the storage tank.
 - e. All fill caps shall be "in place" and clamped during normal storage conditions.
 - f. The permittee shall repair, within 15 days, any leak from the vapor balance system or vapor control system which is employed to meet the requirements of paragraph (R)(1) of OAC rule 3745-21-09 when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the results of any leak checks, including, at a minimum, the following information:
 - a. the date of inspection;
 - b. the findings (may indicate no leaks discovered or location, nature, and severity of each leak);
 - c. the leak determination method;
 - d. the corrective action taken (date each leak repaired and reasons for any repair interval in excess of 15 calendar days); and
 - e. the inspector's name and signature.

IV. Reporting Requirements

1. Any leak from the vapor balance system or vapor control system that is not repaired within 15 days after identification shall be reported to the Director within 30 days after the repair is completed.

V. Testing Requirements

1. Compliance with the emission limitation in section A.I.1 shall be determined in accordance with the methods and procedures of OAC rule 3745-21-10.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: E-Coat (K007)
Activity Description: Electrocoat dip tank and oven

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>
automobile E-Coat prime coating line	OAC rule 3745-21-09(C)(1)(a)(i)	1.2 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents
	OAC rule 3745-31-05(A)(3) (PTI 04-585)	See A.I.2.a and A.I.2.c below.
	OAC rule 3745-31-05(D) (PTI 04-585)	Netting limitations were established in PTI 04-585 as issued on June 7, 1991.
32.9 mmBtu/hr natural gas indirect-fired bake oven	OAC rule 3745-17-07(A)(1)	See A.I.2.b below. Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per mmBtu of actual heat input
	OAC rule 3745-18-06(A)	None, see A.I.2.d below.

2. Additional Terms and Conditions

- 2.a The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 11,532 lbs/day.
- 2.b The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 1303.6 tons per rolling, 12-month period.
- 2.c The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1), OAC rule 3745-17-10(B)(1), OAC rule 3745-21-09(C)(1)(a)(i), and OAC rule 3745-31-05(D).
- 2.d There is no applicable emission limitation for this emissions unit in OAC Chapter 3745-18.

II. Operational Restrictions

1. The permittee shall burn only natural gas as fuel in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied;
 - c. the volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2; and
 - d. the total VOC emissions from this emissions unit, in lbs.
2. The permittee shall collect and record the following information each month for emissions units K007, K008, K009, and K010:
 - a. the total VOC emissions for emissions units K007, K008, K009, and K010, combined, in lbs;
 - b. the days of operation for emissions units K007, K008, K009, and K010;
 - c. the daily VOC emissions for emissions units K007, K008, K009, and K010, combined, in lbs/day (average); and
 - d. the VOC emissions for emissions units K007, K008, K009, and K010, combined, in tons per rolling, 12-month period.
3. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall notify the Toledo Division of Environmental Services in writing of any monthly record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the average daily VOC emission rate, in lbs/day, for emissions units K007, K008, K009, and K010, combined, exceeded 11,532 lbs/day, and the actual average daily VOC emission rate for each such month.
3. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the VOC emission rate, in tons, as a rolling, 12-month summation, for emissions units K007, K008, K009, and K010, combined, exceeded 1303.6 tons, and the actual VOC emission rate for each such month.
4. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
5. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.ii.

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

1.2 pounds of VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.1, OAC rule 3745-21-09(C)(2), and OAC rule 3745-21-10(B). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

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

1.b Emission Limitation:

The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 11,532 lbs/day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.2. Where applicable, compliance shall also be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", (EPA-450-3-88-018, dated December, 1988), and any subsequent revision approved by the USEPA.

1.c Emission Limitation:

The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 1303.6 tons per rolling, 12-month period.

Applicable Compliance Method:

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

1.d Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

V. Testing Requirements (continued)

1.e Emission Limitation:

0.020 pound of particulate emissions per mmBtu of actual heat input

Applicable Compliance Method:

Compliance may be demonstrated based upon an emission factor of 1.9 pounds of particulate emissions per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<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: Spray Prime (K008)
Activity Description: Prime surfacer, topcoat booth and oven

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>
automobile spray coating line with water wash particulate collector	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(1)	1.2 lbs/hr of particulate emissions
	OAC rule 3745-21-09(C)(1)(a)(v)	15.1 pounds of VOC per gallon of deposited solids
	OAC rule 3745-21-09(C)(1)(c)	15.1 pounds of VOC per gallon of deposited solids
	OAC rule 3745-31-05(A)(3) (PTI 04-585)	See A.I.2.a and A.I.2.c below.
19.7 mmBtu/hr natural gas direct-fired bake oven	OAC rule 3745-31-05(D) (PTI 04-585)	Netting limitations were established in PTI 04-585 as issued on June 7, 1991.
	OAC rule 3745-18-06(A)	See A.I.2.b below. exemption from sulfur dioxide regulations
		See A.I.2.d below.

2. Additional Terms and Conditions

- 2.a The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 11,532 lbs/day.
- 2.b The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 1303.6 tons per rolling, 12-month period.
- 2.c The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1), OAC rule 3745-17-11(B)(1), OAC rule 3745-21-09(C)(1)(a)(v), OAC rule 3745-21-09(C)(1)(c) and OAC rule 3745-31-05(D).
- 2.d There is no applicable emission limitation for this emissions unit in OAC Chapter 3745-18.

II. Operational Restrictions

1. The permittee shall operate the water wash system whenever this emissions unit is in operation.
2. The permittee shall burn only natural gas as fuel in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water wash system was not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each coating, as applied;
 - b. the pounds of VOC per gallon of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating;
 - c. the maximum VOC content (in pounds of VOC per gallon of coating solids, as applied) or the daily volume-weighted average VOC content (in pounds of VOC per gallon of coating solids, as applied) of all the coatings;
 - d. the calculated, maximum VOC content (in pounds of VOC per gallon of deposited coating solids) or the daily volume-weighted average VOC content (in pounds of VOC per gallon of deposited coating solids) of all the coatings; and
 - e. the total VOC emissions from this emissions unit, in lbs.

The VOC emission rate shall be calculated using (i) either the maximum VOC content or the daily volume-weighted VOC content recorded in accordance with paragraph (c) above and (ii) the transfer efficiency determined in the most recent emission tests that demonstrated that the emissions unit was in compliance (86% based on testing performed November 11-15, 1991).

3. The permittee shall collect and record the following information each month for emissions units K007, K008, K009, and K010:
 - a. the total VOC emissions for emissions units K007, K008, K009, and K010, combined, in lbs;
 - b. the days of operation for emissions units K007, K008, K009, and K010;
 - c. the daily VOC emissions for emissions units K007, K008, K009, and K010, combined, in pounds per day (average); and
 - d. the VOC emissions for emissions units K007, K008, K009, and K010, combined, in tons per rolling, 12-month period.
4. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the water wash 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 Toledo Division of Environmental Services within 30 days after the event occurs.

IV. Reporting Requirements (continued)

2. The permittee shall notify the Toledo Division of Environmental Services in writing of any monthly record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the exceedance occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the average daily VOC emission rate, in lbs/day, for emissions units K007, K008, K009, and K010, combined, exceeded 11,532 lbs/day, and the actual average daily VOC emission rate for each such month.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the VOC emission rate, in tons, as a rolling, 12-month summation, for emissions units K007, K008, K009, and K010, combined, exceeded 1303.6 tons, and the actual VOC emission rate for each such month.
5. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
6. The quarterly 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 sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - 1.b Emission Limitation:

1.2 lbs/hr of particulate emissions

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.
 - 1.c Emission Limitation:

15.1 pounds of VOC per gallon of deposited solids

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.2 and OAC rules 3745-21-09(C)(2), (C)(3), (C)(4) and 3745-21-10(B). Compliance shall also be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", (EPA-450-3-88-018, dated December 1988), and any subsequent revision approved by the USEPA.

V. Testing Requirements (continued)

1.d Emission Limitation:

The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 11,532 lbs/day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3. Where applicable, compliance shall also be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", (EPA-450-3-88-018, dated December, 1988), and any subsequent revision approved by the USEPA.

1.e Emission Limitation:

The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 1303.6 tons per rolling, 12-month period.

Applicable Compliance Method:

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

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: Topcoat Booth 1 (K009)
Activity Description: Topcoat booth and oven #1

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
automobile topcoat coating line with water wash particulate collector	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(1)	1.4 lbs/hr of particulate emissions
	OAC rule 3745-21-09(C)(1)(c)	15.1 pounds of VOC per gallon of deposited solids
	OAC rule 3745-31-05(A)(3) (PTI 04-585)	See A.I.2.a and A.I.2.c below.
	OAC rule 3745-31-05(D) (PTI 04-585)	Netting limitations were established in PTI 04-585 as issued on June 7, 1991.
9.6 mmBtu/hr natural gas direct-fired bake oven	OAC rule 3745-18-06(A)	See A.I.2.b below. exemption from sulfur dioxide regulations
		See A.I.2.d below.

2. Additional Terms and Conditions

- 2.a The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 11,532 lbs/day.
- 2.b The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 1303.6 tons per rolling, 12-month period.
- 2.c The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1), OAC rule 3745-17-11(B)(1), OAC rule 3745-21-09(C)(1)(c), and OAC rule 3745-31-05(D).
- 2.d There is no applicable emission limitation for this emissions unit in OAC Chapter 3745-18.

II. Operational Restrictions

1. The permittee shall operate the water wash system whenever this emissions unit is in operation.

II. Operational Restrictions (continued)

2. The permittee shall burn only natural gas as fuel in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water wash system was not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the name and identification number of each coating, as applied;
 - b. the pounds of VOC per gallon of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating;
 - c. the maximum VOC content (in pounds of VOC per gallon of coating solids, as applied) or the daily volume-weighted average VOC content (in pounds of VOC per gallon of coating solids, as applied) of all the coatings;
 - d. the calculated, maximum VOC content (in pounds of VOC per gallon of deposited coating solids) or the daily volume-weighted average VOC content (in pounds of VOC per gallon of deposited coating solids) of all the coatings; and
 - e. the total VOC emissions from this emissions unit, in lbs.

The VOC emission rate shall be calculated using (i) either the maximum VOC content or the daily volume-weighted VOC content recorded in accordance with paragraph (c) above and (ii) the transfer efficiency determined in the most recent emissions test that demonstrated that the emissions unit was in compliance (59% based on testing performed November 11-15, 1991) based upon the procedures outlined in the USEPA publication entitled "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations" (EPA 450/3-88-018, dated December, 1988) and any subsequent revision approved by USEPA.

3. The permittee shall collect and record the following information each month for emissions units K007, K008, K009, and K010:
 - a. the total VOC emissions for emissions units K007, K008, K009, and K010, combined, in lbs;
 - b. the days of operation for emissions units K007, K008, K009, and K010;
 - c. the daily VOC emissions for emissions units K007, K008, K009, and K010, combined, in lbs/day (average); and
 - d. the VOC emissions for emissions units K007, K008, K009, and K010, combined, in tons per rolling, 12-month period.
4. For each day which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the water wash 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.

IV. Reporting Requirements (continued)

2. The permittee shall notify the Toledo Division of Environmental Services in writing of any monthly record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the exceedance occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the average daily VOC emission rate, in lbs/day, for emissions units K007, K008, K009, and K010, combined, exceeded 11,532 lbs/day, and the actual average daily VOC emission rate for each such month.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the VOC emission rate, in tons, as a rolling, 12-month summation, for emissions units K007, K008, K009, and K010, combined, exceeded 1303.6 tons, and the actual VOC emission rate for each such month.
5. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
6. The quarterly 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 sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
 - 1.b Emission Limitation:

1.4 lbs/hr of particulate emissions

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.
 - 1.c Emission Limitation:

15.1 pounds of VOC per gallon of deposited solids

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.2 and OAC rules 3745-21-09(C)(2), (C)(3), (C)(4) and OAC rule 3745-21-10(B). Compliance shall also be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", (EPA-450-3-88-018, dated December, 1988), and any subsequent revision approved by the USEPA.

V. Testing Requirements (continued)

1.d Emission Limitation:

The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 11,532 lbs/day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3. Where applicable, compliance shall also be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", (EPA-450-3-88-018, dated December, 1988), and any subsequent revision approved by the USEPA.

1.e Emission Limitation:

The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 1303.6 tons per rolling, 12-month period.

Applicable Compliance Method:

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

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: Topcoat Booth 2 (K010)
Activity Description: Topcoat booth and oven #2

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
automobile topcoat coating line with water wash particulate collector	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(1)	1.4 lbs/hr of particulate emissions
	OAC rule 3745-21-09(C)(1)(c)	15.1 pounds of VOC per gallon of deposited solids
	OAC rule 3745-31-05(A)(3) (PTI 04-585)	See A.I.2.a and A.I.2.c below.
	OAC rule 3745-31-05(D) (PTI 04-585)	Netting limitations were established in PTI 04-585 as issued on June 7, 1991.
9.6 mmBtu/hr natural gas direct-fired bake oven	OAC rule 3745-18-06(A)	See A.I.2.b below. exemption from sulfur dioxide regulations
		See A.I.2.d below.

2. Additional Terms and Conditions

- 2.a** The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 11,532 lbs/day.
- 2.b** The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 1303.6 tons per rolling, 12-month period.
- 2.c** The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1), OAC rule 3745-17-11(B)(1), OAC rule 3745-21-09(C)(1)(c), and OAC rule 3745-31-05(D).
- 2.d** There is no applicable emission limitation for this emissions unit in OAC Chapter 3745-18.

II. Operational Restrictions

1. The permittee shall operate the water wash system whenever this emissions unit is in operation.

II. Operational Restrictions (continued)

2. The permittee shall burn only natural gas as fuel in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records that document any time periods when the water wash system was not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the name and identification number of each coating, as applied;
 - b. the pounds of VOC per gallon of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating;
 - c. the maximum VOC content (in pounds of VOC per gallon of coating solids, as applied) or the daily volume-weighted average VOC content (in pounds of VOC per gallon of coating solids, as applied) of all the coatings;
 - d. the calculated, maximum VOC content (in pounds of VOC per gallon of deposited coating solids) or the daily volume-weighted average VOC content (in pounds of VOC per gallon of deposited coating solids) of all the coatings; and
 - e. the total VOC emissions from this emissions unit, in lbs.

The VOC emission rate shall be calculated using (i) either the maximum VOC content or the daily volume-weighted VOC content recorded in accordance with paragraph (c) above and (ii) the transfer efficiency determined in the most recent emissions test that demonstrated that the emissions unit was in compliance (59% based on testing performed November 11-15, 1991) based upon the procedures outlined in the USEPA publication entitled "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations" (EPA 450/3-88-018, dated December, 1988) and any subsequent revision approved by USEPA.

3. The permittee shall collect and record the following information each month for emissions units K007, K008, K009, and K010:
 - a. the total VOC emissions for emissions units K007, K008, K009, and K010, combined, in lbs;
 - b. the days of operation for emissions units K007, K008, K009, and K010;
 - c. the daily VOC emissions for emissions units K007, K008, K009, and K010, combined, in lbs/day (average); and
 - d. the VOC emissions for emissions units K007, K008, K009, and K010, combined, in tons per rolling, 12-month period.
4. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the water wash 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.

IV. Reporting Requirements (continued)

2. The permittee shall notify the Toledo Division of Environmental Services in writing of any monthly record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the exceedance occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the VOC emission rate, in tons, as a rolling, 12-month summation, for emissions units K007, K008, K009, and K010, combined, exceeded 1303.6 tons, and the actual VOC emission rate for each such month.
4. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the average daily VOC emission rate, in lbs/day, for emissions units K007, K008, K009, and K010, combined, exceeded 11,532 lbs/day, and the actual average daily VOC emission rate for each such month.
5. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
6. The quarterly 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 sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

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

1.4 lbs/hr of particulate emissions

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.
 - 1.c Emission Limitation:

15.1 pounds of VOC per gallon of deposited solids

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.2 and OAC rules 3745-21-09(C)(2), (C)(3), (C)(4) and OAC rule 3745-21-10(B). Compliance shall also be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", (EPA-450-3-88-018, dated December, 1988), and any subsequent revision approved by the USEPA.

V. Testing Requirements (continued)

1.d Emission Limitation:

The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 11,532 lbs/day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.3. Where applicable, compliance shall also be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", (EPA-450-3-88-018, dated December, 1988), and any subsequent revision approved by the USEPA.

1.e Emission Limitation:

The VOC emissions from emissions units K007, K008, K009, and K010, combined, shall not exceed 1303.6 tons per rolling, 12-month period.

Applicable Compliance Method:

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

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: Misc. Sealers and Adhesives (K037)

Activity Description: Plant wide sealers and adhesives

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
miscellaneous sealers and adhesives	OAC rule 3745-21-09(U)(1)(d), (U)(3)	3.5 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents
glass adhesion body primer coating	OAC rule 3745-21-09(U)(1)(g)	4.9 pounds of VOC per gallon of coating, excluding water and exempt solvents

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. When using complying coatings for the miscellaneous sealers and adhesives or the glass adhesion body primer, the permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each coating, as applied; and
 - b. the VOC content of each coating (excluding water and exempt solvents), as applied.

Alternate, equivalent record keeping methods may be used upon written approval by the Toledo Division of Environmental Services.

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

2. When calculating a daily volume-weighted average VOC content for the miscellaneous sealers and adhesives or the glass adhesion body primer, the permittee shall collect and record the following information each day for this emissions unit:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied; and
 - c. the volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.

The permittee shall notify the Toledo Division of Environmental Services, in advance, when daily averaging will be used instead of monthly record keeping. Alternate, equivalent record keeping methods may be used upon written approval by the Toledo Division of Environmental Services.

IV. Reporting Requirements

1. When using complying coatings for the miscellaneous sealers and adhesives or the glass adhesion body primer, the permittee shall notify the Toledo Division of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.
2. When calculating a daily volume-weighted average VOC content for the miscellaneous sealers and adhesives or the glass adhesion body primer, the permittee shall notify the Toledo Division of Environmental Services in writing of any record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 45 days after the exceedance occurs.

V. Testing Requirements

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

1.a Emission Limitation:

3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, when employing miscellaneous sealers and adhesives

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements as specified in sections A.III.1, A.III.2, and OAC rules 3745-21-09(C)(2), (C)(3), (C)(4), and OAC rule 3745-21-10(B). Where applicable, compliance shall also be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", EPA-450-3-88-018, dated December, 1988, and any subsequent revision approved by the USEPA.

V. Testing Requirements (continued)

1.b Emission Limitation:

4.9 pounds VOC per gallon of coating, excluding water and exempt solvents, when employing a glass adhesion body primer coating

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements as specified in sections A.III.1 and A.III.2, and OAC rules 3745-21-09(C)(2), (C)(3), (C)(4), and OAC rule 3745-21-10(B). Where applicable, compliance shall also be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", EPA-450-3-88-018, dated December, 1988, and any subsequent revision approved by the USEPA.

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: Misc. Solvent (P021)
Activity Description: Miscellaneous solvent usage exempt solvent

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
miscellaneous solvents	OAC rule 3745-21-07(G)(2)	Exempt pursuant to OAC rule 3745-21-07(G)(9). See A.II.1 below.

2. Additional Terms and Conditions

None

II. Operational Restrictions

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

Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Toledo Division of Environmental Services. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and/or control requirements as defined in OAC 3745-21-07(G). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly organic compound emission rate for all coatings and photochemically reactive 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. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

V. Testing Requirements

1. Compliance with the operational restriction in section A.II.1 of these terms and conditions shall be determined in accordance with the following method:

- 1.a Operational Restriction:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Purge and Misc. Booth Cleaning Solvents (P022)

Activity Description: Purge and miscellaneous booth cleaning solvents

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>
purge and booth cleaning solvents	OAC rule 3745-31-05(D) (PTI 04-585)	914 tons of volatile organic compound (VOC) emissions per rolling, 12-month period Netting limitations were established by PTI 04-585 as issued on June 7, 1991.

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 materials used for purge and booth cleaning:
 - a. the company identification for each material employed;
 - b. the number of gallons of each material employed;
 - c. the VOC content of each material employed, in lbs/gallon;
 - d. the total VOC emission rate for all materials employed, in lbs; and
 - e. the total VOC emission rate as a rolling, 12-month summation for all materials employed, in tpy.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month during which the rolling, 12-month summation of VOC emissions exceeded 914 tons, and the actual VOC emissions for each such month.

IV. Reporting Requirements (continued)

2. The quarterly 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 limitation in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:

1.a Emission Limitation:

914 tons of VOC per rolling, 12-month period

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.

Formulation data or USEPA Method 24 shall be used to determine the VOC contents of the cleanup materials.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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