OhioEPA

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

07/27/01

CERTIFIED MAIL

RE: Draft Title V Chapter 3745-77 permit

01-25-04-2608
THE OHIO STATE UNIVERSITY, McCRACKEN POWER PLANT
Cecil R. Smith Dr.
Environmental Health & Safety
1314 Kinnear Road
COLUMBUS, OH 43212-1168

Dear Cecil R. Smith:

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 Central District Office 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 Central District Office.

Very truly yours,

Thomas G. Rigo

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

cc: USEPA (electronically submitted)
Michael Ahern, DAPC PMU
Central District Office

State of Ohio Environmental Protection Agency

DRAFT TITLE V PERMIT

Issue Date: 07/27/01	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: 01-25-04-2608 to:
THE OHIO STATE UNIVERSITY, McCRACKEN POWER PLANT
2003 MILLIKIN ROAD
COLUMBUS, OH 43210-1268

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

B104 (Boiler 104)
Scott Hall, Carmack, 10.4 mmBTU/hr boiler

B105 (Boiler 105)
310/024M, Scott Hall, Cleaver Brooks boiler, 10.4 mmBTU/hr boiler

B121 (BOILER #6)
BOILER #6

B122 (BOILER #7)
BOILER #7

B124 (BOILER #3)
BOILER #3

B125 (BOILER #1)
BOILER #1

B131 (BOILER #8)
BOILER #8

B132 (BOILER #5)
Replaced original BOILER #5

B134 (Vet Hosp 3)
Vet Hosp - 151923

B135 (Vet Hosp 4)
Vet Hosp - 151924

B136 (Vet Hosp 5)
Vet Hosp - 151925

B137 (McCracken Natural Gas Driven Compressor)
230 HP Caterpillar natural gas driven compressor.

K001 (Bldg290-17)
290/ , Heidelberg Speedmaster 5 Color Press

P001 (RhodesETO1)
ETO #1 at Rhodes Hall. Sterilizer for hospital equipment.

P901 (McCracken Coal Handling)
Coal stroage bldh & transport to bunker - blower/bag filter

P902 (McCracken Ash & Lime Handling)
Ash unloader, ash silo exhauster/bag filter, lime silo bin vent filter

R001 (Booth #5B-RM301 McCracken Plant)
Binks spray booth, model #FF 8-7T

R002 (Booth #5A-RM301 McCracken Plant)
Binks spray booth, model #FF10-8-T

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

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

Central District Office
3232 Alum Creek Drive
PO Box 1049
Columbus, OH 43216-1049
(614) 728-3778

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

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

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

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

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
iii. Written reports, which identify any deviations from the federally enforceable <u>monitoring</u>, <u>recordkeeping</u>, <u>and reporting requirements</u> contained in this permit shall be submitted to

the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

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

2. Scheduled Maintenance/Malfunction Reporting

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

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

3. Risk Management Plans

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

4. Title IV Provisions

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

5. Severability Clause

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

6. General Requirements

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

b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d. This permit does not convey any property rights of any sort, or any exclusive privilege.

e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

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

8. Marketable Permit Programs

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

9. Reasonably Anticipated Operating Scenarios

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

10. Reopening for Cause

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

a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

11. Federal and State Enforceability

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

12. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

   i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:

i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.

ii. Compliance certifications shall include the following:

(a) An identification of each term or condition of this permit that is the basis of the certification.

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

(d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.

(e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

13. Permit Shield

a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but

excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

14. Operational Flexibility

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

15. Emergencies

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

16. Off Permit Changes

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

a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;

b. The permittee provides contemporaneous written notice of the change to the director and the administrator, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change;

c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);

d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and

e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

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

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

17. Compliance Method Requirements

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.

18. Insignificant Activity

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

B. State Only Enforceable Section

1. Permit to Install Requirement

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

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

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

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

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

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

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. Air Pollution Nuisance

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

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

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

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

None

B. State Only Enforceable Section

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

B001 - 151902, 5.6 mmBtu/hr, natural gas boiler
B002 - 151901, 5.6 mmBtu/hr, natural gas boiler
B011 - 141793, 6.2 mmBtu/hr, natural gas boiler
B012 - 141793, 6.2 mmBtu/hr, natural gas boiler
B013 - 141791, 6.2 mmBtu/hr, natural gas boiler
B025 - 146194, 5.1 mmBtu/hr, natural gas boiler
B026 - 118933, 6.8 mmBtu/hr, natural gas boiler
B027 - 118932, 6.8 mmBtu/hr, natural gas boiler
B029 - 131512, 5.2 mmBtu/hr, natural gas boiler
B030 - 131511, 5.2 mmBtu/hr, natural gas boiler
B035 - 151910, 4.0 mmBtu/hr, natural gas boiler
B036 - 151909, 4.0 mmBtu/hr, natural gas boiler
B039 - 146182, 8.4 mmBtu/hr, natural gas boiler
B040 - 146181, 8.4 mmBtu/hr, natural gas boiler
B041 - 138350, 4.1 mmBtu/hr, natural gas boiler
B042 - 131538, 4.1 mmBtu/hr, natural gas boiler
B043 - 122185, 4.2 mmBtu/hr, natural gas boiler
B044 - 122184, 5.9 mmBtu/hr, natural gas boiler
B045 - 122183, 5.9 mmBtu/hr, natural gas boiler
B046 - 122182, 5.9 mmBtu/hr, natural gas boiler
B047 - 122181, 5.9 mmBtu/hr, natural gas boiler
B048 - 146158, 4.0 mmBtu/hr, natural gas boiler
B049 - 146157, 4.0 mmBtu/hr, natural gas boiler
B050 - 146156, 4.0 mmBtu/hr, natural gas boiler
B051 - 146155, 4.0 mmBtu/hr, natural gas boiler
B052 - 146154, 4.0 mmBtu/hr, natural gas boiler
B054 - 146152, 4.0 mmBtu/hr, natural gas boiler
B056 - 146192, 5.1 mmBtu/hr, natural gas boiler
B057 - 146191, 5.1 mmBtu/hr, natural gas boiler
B064 - 140493, 4.3 mmBtu/hr, natural gas boiler
B065 - 140492, 4.3 mmBtu/hr, natural gas boiler

B. State Only Enforceable Section (continued)

1.b

B066 - 140491, 4.3 mmBtu/hr, natural gas boiler
B074 - 135641, 6.7 mmBtu/hr, natural gas boiler
B076 - 151917, 1.5 mmBtu/hr, natural gas boiler
B079 - 151914, 7.5 mmBtu/hr, natural gas boiler
B080 - 135635, 4.3 mmBtu/hr, natural gas boiler
B081 - 135634, 4.3 mmBtu/hr, natural gas boiler
B082 - 135633, 4.3 mmBtu/hr, natural gas boiler
B083 - 135632, 4.2 mmBtu/hr, natural gas boiler
B084 - 135631, 4.2 mmBtu/hr, natural gas boiler
B085 - 133469, 4.1 mmBtu/hr, natural gas boiler
B086 - 134815, 4.1 mmBtu/hr, natural gas boiler
B087 - 134814, 4.1 mmBtu/hr, natural gas boiler
B088 - 140496, 3.1 mmBtu/hr, natural gas boiler
B089 - 140497, 3.1 mmBtu/hr, natural gas boiler
B090 - 135646, 6.2 mmBtu/hr, natural gas boiler
B091 - 135645, 6.2 mmBtu/hr, natural gas boiler
B092 - 135644, 4.1 mmBtu/hr, natural gas boiler
B093 - 123422, 4.4 mmBtu/hr, natural gas boiler
B094 - 123423, 4.4 mmBtu/hr, natural gas boiler
B095 - 114902, 4.4 mmBtu/hr, natural gas boiler
B096 - 130477, 4.4 mmBtu/hr, natural gas boiler
B097 - 123421, 4.4 mmBtu/hr, natural gas boiler
B098 - 123605, 4.2 mmBtu/hr, natural gas boiler
B099 - 123604, 4.2 mmBtu/hr, natural gas boiler
B100 - 123603, 4.2 mmBtu/hr, natural gas boiler
B112 - 138363, 5.2 mmBtu/hr, natural gas boiler
B113 - 138634, 5.2 mmBtu/hr, natural gas boiler
B130 - 6-171498, 4.2 mmBtu/hr, natural gas boiler

1.c

G002 - 8G-GDF, gasoline dispensing facility
G003 - 9G-GDF, gasoline dispensing facility
G006 - 16G, gasoline dispensing facility
G007 - 18G, gasoline dispensing facility
G008 - 19G, gasoline dispensing facility
G009 - 20G, gasoline dispensing facility
K002 - printing facility with six color press
P903 - McCracken DG, diesel generator
T001 - McCracken oil tank no. 1, no. 2 fuel oil, 50,000 gallons
T002 - McCracken oil tank no. 2, no. 2 fuel oil, 50,000 gallons
T003 - McCracken oil tank no. 3, no. 2 fuel oil, 50,000 gallons
T004 - McCracken oil tank no. 4, no. 2 fuel oil, 50,000 gallons
T005 - McCracken oil tank no. 5, no. 2 fuel oil, 50,000 gallons
T006 - McCracken oil tank no. 6, no. 2 fuel oil, 40,000 gallons
T007 - McCracken oil tank no. 7, no. 2 fuel oil, 40,000 gallons
T008 - McCracken oil tank no. 8, no. 2 fuel oil, 40,000 gallons
T009 - McCracken oil tank no. 9, no. 2 fuel oil, 40,000 gallons

B. State Only Enforceable Section (continued)

1.d

T010 - McCracken oil tank no. 10, no. 2 fuel oil, 40,000 gallons
T011 - McCracken oil tank no. 11, no. 2 fuel oil, 30,000 gallons
T012 - McCracken oil tank no. 12, no. 2 fuel oil, 30,000 gallons
Z004 - Allied Medical EG, emergency generator
Z005 - McPherson Lab EG, emergency generator
Z006 - Starling/Loving, emergency generator
Z008 - Wisemen EG, emergency generator
Z009 - Lazenby EG, emergency generator
Z010 - Comprehensive Cancer EG, emergency generator
Z011 - Schottentstein EG, emergency generator
Z012 - Bioscience 2, emergency generator
Z013 - Bioscience 3, emergency generator
Z021 - Graves Hall EG, emergency generator
Z027 - Hamilton Hall EG, emergency generator
Z028 - Postlehall EG, emergency generator
Z029 - prior health/science EG, emergency generator
Z032 - Dodd Hall/Davis, emergency generator
Z033 - Mershon Center EG, emergency generator
Z034 - Rightmirehall SE, emergency generator
Z035 - Rightmirehall PH, emergency generator
Z036 - Rightmirehall NE, emergency generator
Z037 - Animal EG 1, emergency generator
Z038 - Animal EG 2, emergency generator
Z039 - Animal EG 3, emergency generator
Z040 - Goss EG, emergency generator
Z041 - Byrd Research EG, emergency generator
Z042 - Scott Hall EG 1, emergency generator
Z043 - Scott Hall EG 2, emergency generator
Z044 - Blankenship EG, emergency generator
Z045 - St. Johns EG, emergency generator
Z046 - Fisher Hall, emergency generator
Z047 - Lincoln EG, emergency generator
Z048 - Fawcett EG, emergency generator
Z049 - McCampbell 2, emergency generator
Z050 - Raney Commons EG, emergency generator
Z051 - North Commons EG, emergency generator

1.e

Z054 - Newton Hall, 6.5 mmBtu/hr, natural gas boiler
Z055 - ice rink, emergency generator
Z056 - Hitchcock Hall, emergency generator
Z069 - Scott House 1, 8.37 mmBtu/hr, natural gas boiler
Z070 - Scott House 2, 8.37 mmBtu/hr, natural gas boiler
Z071 - Scott House 3, 8.37 mmBtu/hr, natural gas boiler
Z101 - 047/outside, EG1, emergency generator
Z102 - 054/407B, EG2, emergency generator
Z103 - 055/12M, EG3, emergency generator
Z105 - 078/main shop area, EG4, emergency generator
Z107 - 080/043M, EG5, emergency generator
Z116 - 094/bldg, EG10, emergency generator
Z117 - 094/bldg, EG11, emergency generator
Z122 - Neuropsychiatric facility, EG15, emergency generator
Z128 - Neuropsychiatric faciltiy, UST3, storage tank

B. State Only Enforceable Section (continued)

1.f Z142 - Drackett EG, emergency generator
Z143 - Riffle UST, storage tank
Z144 - Riffle EG, emergency generator
Z145 - Jones EG, emergency generator
Z146 - Jones B1, 5.0 mmBtu/hr, natural gas boiler
Z147 - Jones B2, 5.0 mmBtu/hr, natural gas boiler
Z148 - Taylor EG, emergency generator
Z149 - Morrill EG, emergency generator
Z153 - Graves EG, emergency generator
Z154 - Dreese EG, emergency generator
Z155 - Fawcett Center, printing press
Z161 - bldg290-5, printing press
Z162 - bldg290-6, printing press
Z165 - bldg290-9, printing press
Z166 - bldg290-10, printing press
Z167 - bldg290-11, printing press
Z168 - bldg290-12, printing press
Z169 - bldg290-13, printing press
Z170 - bldg290-14, printing press
Z171 - bldg290-15, printing press
Z172 - bldg290-16, printing press
Z173 - DrakePwCv, emergency generator
Z174 - HHGreen EG, emergency generator
Z175 - AgEng EG, emergency generator
Z176 - VetETO1, ETO sterilizer
Z177 - VetETO2, ETO sterilizer
Z178 - VetEG, emergency generator
Z179 - UnHospEG, emergency generator
Z180 - Rightmire EG, emergency generator
P001 - RhodesETO1, ETO sterilizer
Z183 - Rhodes EG, emergency generator
Z186 - Rhodes UST, storage tank
Z188 - Kinnear EG1, emergency generator
Z189 - Kinnear EG2, emergency generator
Z191 - Celeste EG, emergency generator
Z195 - Biotech B, 5.23 mmBtu/hr, natural gas boiler

B. State Only Enforceable Section (continued)

1.g Z196 - 1275 Kinnear B1, 5.8 mmBtu/hr, natural gas boiler
Z197 - 1275 Kinnear B2, 5.8 mmBtu/hr, natural gas boiler
Z201 - Neuman EG, emergency generator
Z202 - 16Ga, gasoline dispensing facility
Z205 - MathTower EG, emergency generator
Z207 - MedRes EG, emergency generator
Z212 - James EG 1, emergency generator
Z213 - James EG 2, emergency generator
Z214 - OSUHospUST, storage tank
Z215 - gen #1, emergency generator
Z216 - gen #2, emergency generator
Z220 - McCracken truck traffic/coal handling plant roadway
Z221 - sawdust collection
Z505 - 65 Hamilton Hall, storage tank
Z506 - 75 Hospital, storage tank
Z507 - 76 Dodd/Davis Hall, storage tank
Z513 - 02 maintenance bldg, storage tank
Z514 - 48 Mershon Auditorium, storage tank
Z518 - 26 service bldg annex, storage tank
Z519 - 27 service bldg annex, storage tank
Z520 - 62 Sisson Hall, storage tank
Z524 - 89 Telecommunications bldg, storage tank

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 104 (B104)

Activity Description: Scott Hall, Carmack, 10.4 mmBTU/hr boiler

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
10.4 mmBtu/hr natural gas-fired boiler - Boiler #104	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

2. Additional Terms and Conditions

None

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

IV. Reporting Requirements

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

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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).

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum natural gas burning capacity of the emissions unit (10,400 CF/hr) by the AP-42 (Table 1.4-5, 7/98) emission factor for natural gas combustion (1.9 lbs/mmCF) and dividing by the maximum heat input capacity of the emissions unit (10.4 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler 105 (B105)

Activity Description: 310/024M, Scott Hall, Cleaver Brooks boiler, 10.4 mmBTU/hr boiler

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
10.4 mmBtu/hr natural gas-fired boiler - Boiler #105	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

2. Additional Terms and Conditions

None

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

IV. Reporting Requirements

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

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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).

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum natural gas burning capacity of the emissions unit (10,400 CF/hr) by the AP-42 (Table 1.4-5, 7/98) emission factor for natural gas combustion (1.9 lbs/mmCF) and dividing by the maximum heat input capacity of the emissions unit (10.4 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER #6 (B121)

Activity Description: BOILER #6

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
150 mmBtu/hr natural gas, number 2 fuel oil and number 6 fuel oil-fired boiler - Boiler # 6	OAC rule 3745-31-05(A)(3) (PTI 01-645)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-10(B)(1), 3745-17-10(C)(1), and 3745-17-07(A).
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input when firing natural gas or number 2 fuel oil.
	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(D).
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.a below.
	OAC rule 3745-31-05(D) (PTI 01-645)	See A.II.2-6 below.
	OAC rule 3745-17-10(C)(1)	Particulate emissions shall not exceed 0.18 lb/mmBtu of actual heat input when firing number 6 fuel oil.

2. Additional Terms and Conditions

2.a The design of the emissions unit and the technology associated with the current operating practices will satisfy 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.

II. Operational Restrictions

1. The permittee shall burn only natural gas, number 2 fuel oil or number 6 fuel oil in this emissions unit.

II. Operational Restrictions (continued)

2. The annual number 6 fuel oil usage shall not exceed 510,000 gallons per rolling, 12-month period for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined.

3. The permittee shall not simultaneously fire multiple fuels in this emissions unit during the production of steam.

4. Sulfur dioxide emissions from the combustion of natural gas, number 2 fuel oil, and number 6 fuel oil shall not exceed 39.96 tons per year for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined, as a rolling, 12-month summation.

5. The quality of the number 6 fuel oil burned in this emissions unit shall meet, on an as-received basis, a sulfur content of one (1.0) percent or less. A higher sulfur content for the number 6 fuel oil may be used provided that the usage, in gallons, is reduced to maintain a sulfur dioxide emission rate of less than 39.96 tons per year for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined, as a rolling, 12-month summation.

6. The quality of the number 2 fuel oil burned in this emissions unit shall have a combination of heat and sulfur content which is sufficient to maintain an emission limitation of 1.01 lbs sulfur dioxide/mmBtu of actual heat input and 39.96 tons per year for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined, as a rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of any time during which this emissions unit simultaneously fired multiple fuels during the production of steam.

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of any oil that is received for burning in this emission unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon approval by the Ohio EPA, Central District Office.

3. For each shipment of any oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

4. The permittee shall collect and record the following information on a monthly basis for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined:

a. the amount of natural gas burned, in MM cubic feet;

b. the rolling, 12-month summation of the amount of natural gas burned, in MM cubic feet;

c. the amount of number 2 fuel oil burned, in gallons;

d. the rolling, 12-month summation of the amount of number 2 fuel oil burned, in gallons;

e. the amount of number 6 fuel oil burned, in gallons; and

f. the rolling, 12-month summation of the amount of number 6 fuel oil burned, in gallons.

5. For each day during which the permittee burns a fuel other than natural gas, number 2 fuel oil, or number 6 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

6. The permittee shall maintain monthly records of the sulfur dioxide emission rate, in tons of sulfur dioxide per year as a rolling, 12-month summation, for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined, calculated in accordance with Section A.V.1.f of this permit.

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

7. The permittee shall perform daily checks for visible emissions from the stack serving this emissions unit when burning number 6 fuel oil. 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.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows an exceedance of the lbs of sulfur dioxide/mmBtu emission limitation, based upon a volume-weighted average of the calculated sulfur dioxide emission rates from Section A.III.3. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 30 days after the deviation occurs.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, number 2 fuel oil or number 6 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

3. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows a deviation of the number 6 fuel oil usage limitation and/or sulfur dioxide emission limitation for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 30 days after the deviation occurs.

4. The permittee shall submit deviation (excursion) reports that identify any time during which this emissions unit simultaneously fired multiple fuels during the production of steam. These reports shall be submitted within 30 days after the deviation occurs.

5. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit when burning number 6 fuel oil and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Central District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

6. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows an exceedance of the sulfur content limitation specified in Section A.II.5. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 30 days after the deviation occurs.

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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).

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input when firing natural gas or number 2 fuel oil.

Applicable Compliance Method:
When firing natural gas, compliance with this emission limitation may be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (145,631 CF/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for filterable particulates in natural gas combustion (1.9 lbs of particulates/mmCF), and dividing by the maximum hourly heat input capacity of the emissions unit (150 mmBtu/hr).

When firing number two fuel oil, compliance with this emission limitation may be demonstrated by multiplying the maximum number 2 fuel oil burning capacity of the emissions unit (1071.5 gal/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.3-1 (9/98) for filterable particulates in number 2 fuel oil combustion (2 lbs of particulates/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (150 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

1.c Emission Limitation:
Particulate emissions shall not to exceed 0.18 lb/mmBtu of actual heat input when firing number 6 fuel oil.

Applicable Compliance Method:
When firing number 6 fuel oil, compliance with this emission limitation may be demonstrated by dividing the maximum number 6 fuel oil burning capacity of the emissions unit (1071.5 gal/hr) by the maximum hourly heat input capacity of the emissions unit (150 mmBtu/hr) and multiplying by the emission factor for sulfur dioxde from the following equation found in AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.3-1 (9/98) for filterable particulates in number 6 fuel oil combustion:

$$9.19(S) + 3.22 = EF$$

Where:
S = sulfur content (%)
EF = emission factor (lbs PE/1000 gallons)

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing number 6 fuel oil.

1.d Compliance with the sulfur content limitation specified in Section A.II.5 shall be based on the record keeping in Section A.III.3.

1.e Compliance with the lbs of sulfur dioxide/mmBtu emission limitation specified in Section A.II.6 shall be demonstrated by documenting that the calculated sulfur dioxide emission rate for all shipments of oil received for burning during each calendar month meets the sulfur dioxide emission limitation.

V. Testing Requirements (continued)

1.f Emission Limitation:
Sulfur dioxide emissions from the combustion of natural gas, number 2 fuel oil, and number 6 fuel oil shall not exceed 39.96 tons per year for boiler number 6 and number 7 (emissions units B121 and B122, respectively) combined, as a rolling, 12-month summation.

Applicable Compliance Method:
Compliance shall be determined as the sum of the emissions from the combustion of natural gas, number 2 fuel oil, and number 6 fuel oil as provided below:

i. For sulfur dioxide from natural gas:

(AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) emission factor of 0.6 lb sulfur dioxide/MM cu. ft) X (the updated rolling, 12-month natural gas usage rate, in MM cu. ft/yr, from Section A.III.4.b)/2000.

ii. For sulfur dioxide from number 2 fuel oil:

(the average sulfur dioxide emission rate, for the rolling, 12-month period, in lb/mmBtu, from Section A.III.3) X (the average of the heat content data for the number 2 fuel oil for the rolling, 12-month period, from Section A.III.3, in mmBtu/gallon) X (the updated rolling, 12-month number 2 fuel oil usage rate, in gallons, from Section A.III.4.d)/2000.

iii. For sulfur dioxide from number 6 fuel oil:

(the average sulfur dioxide emission rate, for the rolling, 12-month period, in lb/mmBtu, from Section A.III.3) X (the average of the heat content data for the number 6 fuel oil for the rolling, 12-month period, from Section A.III.3, in mmBtu/gallon) X (the updated rolling, 12-month number 6 fuel oil usage rate, in gallons, from Section A.III.4.f)/2000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER #7 (B122)

Activity Description: BOILER #7

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
150 mmBtu/hr natural gas, number 2 fuel oil and number 6 fuel oil-fired boiler - Boiler # 7	OAC rule 3745-31-05(A)(3) (PTI 01-645)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-10(B)(1), 3745-17-10(C)(1), and 3745-17-07(A).
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input when firing natural gas or number 2 fuel oil.
	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(D).
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.a below.
	OAC rule 3745-31-05(D) (PTI 01-645)	See A.II.2-6 below.
	OAC rule 3745-17-10(C)(1)	Particulate emissions shall not exceed 0.18 lb/mmBtu of actual heat input when firing number 6 fuel oil.

2. Additional Terms and Conditions

2.a The design of the emissions unit and the technology associated with the current operating practices will satisfy 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.

II. Operational Restrictions

1. The permittee shall burn only natural gas, number 2 fuel oil or number 6 fuel oil in this emissions unit.

II. Operational Restrictions (continued)

2. The annual number 6 fuel oil usage shall not exceed 510,000 gallons per rolling, 12-month period for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined.

3. The permittee shall not simultaneously fire multiple fuels in this emissions unit during the production of steam.

4. Sulfur dioxide emissions from the combustion of natural gas, number 2 fuel oil, and number 6 fuel oil shall not exceed 39.96 tons per year for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined, as a rolling, 12-month summation.

5. The quality of the number 6 fuel oil burned in this emissions unit shall meet, on an as-received basis, a sulfur content of one (1.0) percent or less. A higher sulfur content for the number 6 fuel oil may be used provided that the usage, in gallons, is reduced to maintain a sulfur dioxide emission rate of less than 39.96 tons per year for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined, as a rolling, 12-month summation.

6. The quality of the number 2 fuel oil burned in this emissions unit shall have a combination of heat and sulfur content which is sufficient to maintain an emission limitation of 1.01 lbs sulfur dioxide/mmBtu of actual heat input and 39.96 tons per year for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined, as a rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of any time during which this emissions unit simultaneously fired multiple fuels during the production of steam.

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of any oil that is received for burning in this emission unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon approval by the Ohio EPA, Central District Office.

3. For each shipment of any oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

4. The permittee shall collect and record the following information on a monthly basis for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined:

a. the amount of natural gas burned, in MM cubic feet;

b. the rolling, 12-month summation of the amount of natural gas burned, in MM cubic feet;

c. the amount of number 2 fuel oil burned, in gallons;

d. the rolling, 12-month summation of the amount of number 2 fuel oil burned, in gallons;

e. the amount of number 6 fuel oil burned, in gallons; and

f. the rolling, 12-month summation of the amount of number 6 fuel oil burned, in gallons.

5. For each day during which the permittee burns a fuel other than natural gas, number 2 fuel oil, or number 6 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

6. The permittee shall maintain monthly records of the sulfur dioxide emission rate, in tons of sulfur dioxide per year as a rolling, 12-month summation, for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined, calculated in accordance with Section A.V.1.f of this permit.

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

7. The permittee shall perform daily checks for visible emissions from the stack serving this emissions unit when burning number 6 fuel oil. 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.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows an exceedance of the lbs of sulfur dioxide/mmBtu emission limitation, based upon a volume-weighted average of the calculated sulfur dioxide emission rates from Section A.III.3. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 30 days after the deviation occurs.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, number 2 fuel oil or number 6 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

3. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows a deviation of the number 6 fuel oil usage limitation and/or sulfur dioxide emission limitation for boilers number 6 and number 7 (emissions units B121 and B122, respectively) combined. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 30 days after the deviation occurs.

4. The permittee shall submit deviation (excursion) reports that identify any time during which this emissions unit simultaneously fired multiple fuels during the production of steam. These reports shall be submitted within 30 days after the deviation occurs.

5. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit when burning number 6 fuel oil and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Central District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

6. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows an exceedance of the sulfur content limitation specified in Section A.II.5. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 30 days after the deviation occurs.

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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).

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input when firing natural gas or number 2 fuel oil.

Applicable Compliance Method:
When firing natural gas, compliance with this emission limitation may be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (145,631 CF/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for filterable particulates in natural gas combustion (1.9 lbs of particulates/mmCF), and dividing by the maximum hourly heat input capacity of the emissions unit (150 mmBtu/hr).

When firing number two fuel oil, compliance with this emission limitation may be demonstrated by multiplying the maximum number 2 fuel oil burning capacity of the emissions unit (1071.5 gal/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.3-1 (9/98) for filterable particulates in number 2 fuel oil combustion (2 lbs of particulates/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (150 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

1.c Emission Limitation:
Particulate emissions shall not to exceed 0.18 lb/mmBtu of actual heat input when firing number 6 fuel oil.

Applicable Compliance Method:
When firing number 6 fuel oil, compliance with this emission limitation may be demonstrated by dividing the maximum number 6 fuel oil burning capacity of the emissions unit (1071.5 gal/hr) by the maximum hourly heat input capacity of the emissions unit (150 mmBtu/hr) and multiplying by the emission factor for sulfur dioxde from the following equation found in AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.3-1 (9/98) for filterable particulates in number 6 fuel oil combustion:

$$9.19(S) + 3.22 = EF$$

Where:
S = sulfur content (%)
EF = emission factor (lbs PE/1000 gallons)

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing number 6 fuel oil.

1.d Compliance with the sulfur content limitation specified in Section A.II.5 shall be based on the record keeping in Section A.III.3.

1.e Compliance with the lbs of sulfur dioxide/mmBtu emission limitation specified in Section A.II.6 shall be demonstrated by documenting that the calculated sulfur dioxide emission rate for all shipments of oil received for burning during each calendar month meets the sulfur dioxide emission limitation.

V. Testing Requirements (continued)

1.f Emission Limitation:
Sulfur dioxide emissions from the combustion of natural gas, number 2 fuel oil, and number 6 fuel oil shall not exceed 39.96 tons per year for boiler number 6 and number 7 (emissions units B121 and B122, respectively) combined, as a rolling, 12-month summation.

Applicable Compliance Method:
Compliance shall be determined as the sum of the emissions from the combustion of natural gas, number 2 fuel oil, and number 6 fuel oil as provided below:

i. For sulfur dioxide from natural gas:

(AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) emission factor of 0.6 lb sulfur dioxide/MM cu. ft) X (the updated rolling, 12-month natural gas usage rate, in MM cu. ft/yr, from Section A.III.4.b)/2000.

ii. For sulfur dioxide from number 2 fuel oil:

(the average sulfur dioxide emission rate, for the rolling, 12-month period, in lb/mmBtu, from Section A.III.3) X (the average of the heat content data for the number 2 fuel oil for the rolling, 12-month period, from Section A.III.3, in mmBtu/gallon) X (the updated rolling, 12-month number 2 fuel oil usage rate, in gallons, from Section A.III.4.d)/2000.

iii. For sulfur dioxide from number 6 fuel oil:

(the average sulfur dioxide emission rate, for the rolling, 12-month period, in lb/mmBtu, from Section A.III.3) X (the average of the heat content data for the number 6 fuel oil for the rolling, 12-month period, from Section A.III.3, in mmBtu/gallon) X (the updated rolling, 12-month number 6 fuel oil usage rate, in gallons, from Section A.III.4.f)/2000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER #3 (B124)

Activity Description: BOILER #3

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
135 mmBtu/hr natural gas-fired boiler - Boiler #3	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input.

2. Additional Terms and Conditions

None

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

IV. Reporting Requirements

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

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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).

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.020 lb/mmBtu actual heat input.

Applicable Compliance Method:
Compliance may be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (97,088 CF/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for filterable particulates in natural gas combustion (1.9 lbs of particulates/mmCF), and dividing by the maximum hourly heat input capacity of the emissions unit (135 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER #1 (B125)

Activity Description: BOILER #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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
150 mmBtu/hr natural gas and number 2 fuel oil-fired boiler - Boiler #1	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input.
	OAC rule 3745-18-06(D)	When firing number 2 fuel oil, sulfur dioxide emissions shall not exceed 1.6 lbs/mmBtu actual heat input.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall burn only natural gas and/or number 2 fuel oil in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or number 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 supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Ohio EPA, Central District Office.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

2. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rates from Section A.III.3. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 30 days after the deviation occurs.

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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:
Particulate emissions shall not exceed 0.020 lb/mmBtu actual heat input.

Applicable Compliance Method:
When firing natural gas, compliance with this emission limitation may be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (97,090 CF/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for filterable particulates in natural gas combustion (1.9 lbs of particulates/mmCF), and dividing by the maximum hourly heat input capacity of the emissions unit (150 mmBtu/hr).

When firing number 2 fuel oil, compliance with this emission limitation may be demonstrated by multiplying the maximum fuel oil burning capacity of the emissions unit (714.3 gal/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.3-1 (9/98) for filterable particulates in number 2 fuel oil combustion (2 lbs of particulates/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (150 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing number 2 fuel oil.

1.c Emission Limitation:
Sulfur dioxide emissions shall not exceed 1.6 lbs/mmBtu actual heat input.

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

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

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6, while firing number two fuel oil.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER #8 (B131)

Activity Description: BOILER #8

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
181 mmBtu/hr coal-fired boiler with auxiliary natural gas-fired burner, controlled with an oxygen analyzer, dry scrubber and baghouse - Boiler #8	OAC rule 3745-31-05(A)(3) (PTI 01-572)	When burning coal, particulate emissions shall not exceed 0.04 lb/mmBtu of actual heat input and 7.24 lbs/hr. Particulate emissions shall not exceed 24.8 tons/yr. When burning coal, nitrogen oxides emissions shall not exceed 0.6 lb/mmBtu of actual heat input and 108.6 lbs/hr. Nitrogen oxides emissions shall not exceed 474.36 tons/yr. When burning coal, sulfur dioxide emissions shall not exceed 0.87 lb/mmBtu of actual heat input and 157.5 lbs/hr. Sulfur dioxide emissions shall not exceed 687.83 tons/yr. When burning coal, carbon monoxide emissions shall not exceed 15.5 lbs/hr. Carbon monoxide emissions shall not exceed 67.61 tons/yr.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The following emission limitations only apply when burning coal: Lead emissions shall not exceed 0.1 lb/hr and 0.44 ton/yr. Beryllium emissions shall not exceed 0.015 lb/hr and 0.07 ton/yr. Mercury (Hg) emissions shall not exceed 0.003 lb/hr and 0.02 ton/yr. Fluoride emissions shall not exceed 0.004 lb/hr and 0.0182 ton/yr. Visible particulate emissions shall not exceed 20% opacity, except for a period of not more than 3 minutes in any 60-minute period, but shall not exceed 60% opacity, at any time. See A.II.1-6 below. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-10(B)(1).
	OAC rule 3745-17-07(A)	The emission limitations specified by this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06(E)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-10(C)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.a below.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input when burning natural gas.

2. Additional Terms and Conditions

2.a 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 01-572.

II. Operational Restrictions

1. The permittee shall vent emissions to a dry scrubber followed by a baghouse.

2. The permittee shall operate and maintain an oxygen analyzer to assure complete combustion in this emissions unit.

3. The quality of the coal burned in this emissions unit shall meet the following specifications on an "as-received" basis:

a. less than 14% ash, by weight;

b. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.87 pound sulfur dioxide/mmBtu of actual heat input at the scrubber exhaust; and

c. greater than 11,700 Btu/pound of coal.

Compliance with the above-mentioned specifications shall be determined based upon the analytical results for the monthly composite sample of coal collected from each shipment of coal received during the calendar month.

4. The annual coal usage shall not exceed 53,000 tons per calender year.

5. The permittee shall operate and maintain equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit when the emissions unit is in operation.

6. The permittee shall operate and maintain equipment to continuously monitor and record the sulfur dioxide emission rate in lbs of sulfur dioxide/mmBtu from this emissions unit when the emissions unit is in operation.

7. The pressure drop across the baghouse shall be maintained within the range of 4-8 inches of water while the emissions unit is in operation.

8. The permittee shall burn only natural gas or coal in this emissions unit.

9. The auxiliary natural gas-fired burner shall only be used during periods of boiler start-up, coal handling sytem malfunctions, and when sulfur dioxide emissions are marginal (based upon the data from the continuous sulfur dioxide monitoring system).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect a representative sample of each shipment of coal which is received for burning. 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 (percent), sulfur content (percent), and heat content (Btu/pound 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 Cokeor ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using HighTemperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross CalorificValue of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, GrossCalorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isoperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval from the Central District Office.

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

2. The permittee shall maintain monthly records of the following:

a. the total quantity of coal received (tons);

b. the total quantity of coal burned (tons);

c. the average ash content (percent) of the coal received;

d. the average sulfur content (percent) of the coal received;

e. the average heat content (Btu/pound) of the coal received; and

f. the total quantity of natural gas burned (CF).

3. The permittee shall maintain annual records of the total quantity of coal burned (tons) in this emissions unit.

4. 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 daily basis.

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

6. The permittee shall operate and maintain equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR 60.13.

Each continuous monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

The permittee shall maintain a certification letter from the Ohio EPA documenting that the continuous opacity monitoring system has been certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous opacity monitoring system: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks and magnitude of manual calibration adjustments.

7. The permittee shall operate and maintain equipment to continuously monitor and record sulfur dioxide emissions from this emissions unit in units of the applicable standard(s). Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.

Each continuous monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

The permittee shall maintain on-site documentation from the USEPA or the Ohio EPA that the continuous sulfur dioxide monitoring system has been certified in accordance with 40 CFR Part 60. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous sulfur dioxide monitoring system: emissions of sulfur dioxide in lb/mmBtu actual heat input on an hourly average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments. In addition, the permittee shall maintain daily records of the total actual heat input values as determined through the F-Factor and carbon dioxide/oxygen calculations as specified in 40 CFR Part 60, Appendix A, Method 19.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each month during which records were not maintained for the amount of coal burned or the quantity of coal received.

2. The permittee shall submit quarterly deviation (excursion) reports that identify any record showing an exceedance of the coal ash content limitation or the heat content limitation.

3. The permittee shall submit quarterly deviation (excursion) reports that identify any record showing an exceedance of the 0.87 pound sulfur dioxide/mmBtu of actual heat input limitation for the coal received.

4. 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.

5. The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

6. The permittee shall submit annual reports that specify the total amount of coal used and the total particulate, nitrogen oxides, sulfur dioxide, carbon monoxide, lead, beryllium, Hg, and fluoride emissions for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

7. Pursuant to 40 CFR Parts 60.7 and 60.13(h), the permittee shall submit reports within 30 days following the end of each calendar quarter to the Ohio EPA, Central District Office documenting all instances of opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective actions taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

The permittee shall submit reports within 30 days following the end of each calendar quarter to the Ohio EPA, Central District Office documenting any continuous opacity monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit, control equipment, and/or monitoring system malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report. These quarterly excess emission reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall address the data obtained during the previous calendar year.

8. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Ohio EPA, Central District Office documenting the date, commencement and completion time, duration, magnitude, reason (if known), and corrective actions taken (if any), of all 3-hour average sulfur dioxide values in excess of the applicable sulfur dioxide emission rate (lb/mmBtu) and/or of all 1-hour readings which are equal to or greater than the span of the analyzer.

The reports shall also document any continuous sulfur dioxide monitoring system downtime while the emissions unit was on line (date, time, duration and reason), along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall also be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the date, time, reason, and corrective action(s) taken for each time period of monitoring system malfunction. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report. These quarterly excess emission reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall address the data obtained during the previous calendar year.

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity, except for a period of not more than 3 minutes in any 60-minute period, but shall not exceed 60% opacity, at any time.

Applicable Compliance Method:
Compliance may be based on the data obtained by the continuous opacity monitoring system.

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.b Emission Limitations:
Particulate emissions shall not exceed 0.04 lb/mmBtu of actual heat input and 7.24 lbs/hr.

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

i. The emission testing shall be conducted within 6 months following issuance of this permit and every 2.5 years thereafter.

ii. The emission testing shall be conducted to demonstrate compliance with the particulate emission limitations.

iii. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate(s): 40 CFR Part 60, Appendix A, Methods 1 through 5. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Central District Office.

iv. The test(s) shall be conducted while the emissions unit is burning coal and operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Central District Office.

1.c Emission Limitation:
Particulate emissions shall not exceed 24.8 tons/yr.

Applicable Compliance Method:
Compliance shall be demonstrated by summing the annual natural gas and coal emissions.

The annual natural gas emissions shall be determined by multiplying the annual natural gas usage (CF/yr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for filterable particulates from natural gas combustion (1.9 lbs of particulates/mmCF), and dividing by 2000 lbs/ton.

The annual coal emissions shall be determined by multiplying the emission factor established during the most recent emission tests that demonstrated that the emissions unit was in compliance (lbs PE/ton) by the amount of coal used (tons/yr) and dividing by 2000 lbs/ton.

V. Testing Requirements (continued)

1.d Emission Limitations:
Nitrogen oxide emissions shall not exceed 0.6 lb/mmBtu of actual heat input and 108.6 lbs/hr.

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

i. The emission testing shall be conducted within 6 months following issuance of this permit and every 2.5 years thereafter.

ii. The emission testing shall be conducted to demonstrate compliance with the emission limitations for nitrogen oxides.

iii. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates: 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Central District Office.

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

1.e Emission Limitation:
Nitrogen oxides emissions shall not exceed 474.36 tons/yr.

Applicable Compliance Method:
Compliance shall be demonstrated by summing the annual natural gas and coal emissions.

The annual natural gas emissions shall be determined by multiplying the annual natural gas usage (CF/yr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-1 (2/98) for nitrogen oxides from natural gas combustion (190 lbs of nitrogen oxides/mmCF), and dividing by 2000 lbs/ton.

The annual coal emissions shall be determined by multiplying the hourly emission rate from the most recent emission tests that demonstrated that the emissions unit was in compliance by the maximum annual operating time of 8730 hrs/yr and dividing by 2000 lbs/ton.

1.f Emission Limitation:
Sulfur dioxide emissions shall not exceed 0.87 lb/mmBTU of actual heat input.

Applicable Compliance Method:
Compliance shall be based on the data obtained by the continuous sulfur dioxide emission monitoring system and the record keeping in Section A.III.1.

If required, the permittee shall conduct emission testing for this emissions unit in accordance with 40 CFR Part 60, Appendix A, Method 6.

1.g Emission Limitation:
Sulfur dioxide emissions shall not exceed 157.5 lbs/hr.

Applicable Compliance Method:
Compliance with this emission limitation can be assumed provided that the permittee demonstrates compliance with the 0.87 lb of sulfur dioxide/mmBtu emission limitation.

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

V. Testing Requirements (continued)

1.h Emission Limitation:
Sulfur dioxide emissions shall not exceed 687.83 tons/yr.

Applicable Compliance Method:
Compliance shall be demonstrated by summing the annual natural gas and coal emissions.

The annual natural gas emissions shall be determined by multiplying the annual natural gas usage (CF/yr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for sulfur dioxide from natural gas combustion (0.6 lb of sulfur dioxide/mmCF), and dividing by 2000 lbs/ton.

The annual coal emissions shall be determined by multiplying the
0.87 lb of sulfur dioxide/mmBtu emission limitation by the maximum heat input capacity of the emissions unit (181 mmBtu/hr), by the maximum annual operating time of 8730 hrs/yr, and dividing by 2000 lbs/ton.

1.i Emission Limitation:
Carbon monoxide emissions shall not exceed 15.5 lbs/hr.

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

i. The emission testing shall be conducted within 6 months following issuance of this permit and every 2.5 years thereafter.

ii. The emission testing shall be conducted to demonstrate compliance with the carbon monoxide emission limitation.

iii. The following test method shall be employed to demonstrate compliance with the allowable mass emission rate: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Central District Office.

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

1.j Emission Limitation:
Carbon monoxide emissions shall not exceed 67.61 tons/yr.

Applicable Compliance Method:
Compliance shall be demonstrated by summing the annual natural gas and coal emissions.

The annual natural gas emissions shall be determined by multiplying the annual natural gas usage (CF/yr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-1 (2/98) for carbon monoxide from natural gas combustion (84 lbs of carbon monoxide/mmCF), and dividing by 2000 lbs/ton.

The annual coal emissions shall be determined by multiplying the hourly emission rate from the most recent emission tests that demonstrated that the emissions unit was in compliance by the maximum annual operating time of 8730 hrs/yr and dividing by 2000 lbs/ton.

1.k Emission Limitation:
Lead emissions shall not exceed 0.1 lb/hr.

Applicable Compliance Method:
Compliance may be demonstrated by multiplying the emission factor of 507 lbs lead/10e12 Btu (AP-42, Table 1.1-17, 9/98) by the maximum heat input capacity of the emissions unit (181 mmBtu/hr).

If required, the permittee shall conduct emission testing for this emissions unit in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 12.

V. Testing Requirements (continued)

1.l Emission Limitation:
Lead emissions shall not exceed 0.44 ton/yr.

Applicable Compliance Method:
Compliance shall be demonstrated by multiplying the maximum emission rate of 0.1 lb lead/hr by 8730 hrs/yr and dividing by 2000 lbs/ton.

1.m Emission Limitation:
Mercury emissions shall not exceed 0.003 lb/hr.

Applicable Compliance Method:
This emission limitation was established by multiplying the emission factor of 16 lbs mercury/10e12 Btu (AP-42, Table 1.1-17, 9/98) by the maximum capacity of the emissions unit (181 mmBtu/hr).

If required, the permittee shall conduct emission testing for this emissions unit in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

1.n Emission Limitation:
Mercury emissions shall not exceed 0.02 ton/yr.

Applicable Compliance Method:
Compliance shall be demonstrated by multiplying the maximum emission rate of 0.003 lb/hr by 8730 hrs/yr and dividing by 2000 lbs/ton.

1.o Emission Limitation:
Fluoride emissions shall not exceed 0.004 lb/hr.

Applicable Compliance Method:
This emission limiation was established by multiplying the maximum coal burned per hour, 7.42 tons (per the Title V application submitted 3/15/01) by the emission factor of 0.00054 lb Fluoride/ton coal burned (from AP-42, Supplement 13, Table 1.1, 1982).

If required, the permittee shall conduct emission testing for this emissions unit in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 13A or 13B.

1.p Emission Limitation:
Fluoride emissions shall not exceed 0.0182 ton/yr.

Applicable Compliance Method:
Compliance shall be demonstrated by multiplying the maximum emission rate of 0.004 lb flouride/hr by 8730 hrs/yr and dividing by 2000 lbs/ton.

1.q Emission Limitation:
Beryllium emissions shall not exceed 0.015 lb/hr.

Applicable Compliance Method:
This emission limitation was established by multiplying the emission factor of 81 lbs beryllium/10e12 Btu (from AP-42, Table 1.1-17, 9/98) by the maximum capacity of the emissions unit (181 mmBtu/hr).

If required, the permittee shall conduct emission testing for this emissions unit in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

1.r Emission Limitation:
Beryllium emissions shall not exceed 0.07 ton/yr.

Applicable Compliance Method:
Compliance shall be demonstrated by multiplying the maximum emission rate of 0.015 lb/hr by 8730 hrs/yr and dividing by 2000 lbs/ton.

V. Testing Requirements (continued)

1.s Emission Limitation:
Particulate emissions shall not exceed 0.020 lb/mmBtu of actual heat input when burning only natural gas.

Applicable Compliance Method:
Compliance with this emission limitation shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (97,090 CF/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for filterable particulates in natural gas combustion (1.9 lbs of particulates/mmCF), and dividing by the maximum hourly heat input capacity of the natural gas burner (110 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER #5 (B132)

Activity Description: Replaced original BOILER #5

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
313.1 mmBtu/hr natural gas and number 2 fuel oil-fired boiler - Boiler #5	OAC rule 3745-31-05(A)(3) (PTI 01-7409)	Particulate emissions shall not exceed 0.0196 lb/mmBtu of actual heat input when burning number 2 fuel oil and 0.007 lb/mmBtu when burning natural gas. Sulfur dioxide emissions shall not exceed 0.507 lb/mmBtu of actual heat input when burning number 2 fuel oil and 0.0006 lb/mmBtu when burning natural gas. Volatile organic compound emissions shall not exceed 0.009 lb/mmBtu of actual heat input when burning number 2 fuel oil and 0.008 lb/mmBtu when burning natural gas. Nitrogen oxides emissions shall not exceed 0.12 lb/mmBtu of actual heat input when burning number 2 fuel oil and 0.036 lb/mmBtu when burning natural gas. Carbon monoxide emissions shall not exceed 0.17 lb/mmBtu of actual heat input when burning number 2 fuel oil and 0.072 lb/mmBtu when burning natural gas. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A), OAC rule 3745-31-05(D) and 40 CFR Part 60, Subpart Db.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-18-06(D)	The emission limitations established pursuant to OAC rule 3745-31-05 (A)(3) are more stringent than the emission limitation established by this rule.
	OAC rule 3745-17-10(B)(1)	The emission limitations established pursuant to OAC rule 3745-31-05 (A)(3) are more stringent than the emission limitation established by this rule.
	40 CFR Part 60, Subpart Db	When firing number two fuel oil, visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity. See A.II.4 and A.II.6 below.
	OAC rule 3745-17-07(A)	When firing natural gas, visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.a below.
	OAC rule 3745-31-05(D) (PTI 01-7409)	Particulate emissions shall not exceed 7.7 tons/year when burning natural gas and/or number 2 fuel oil. Sulfur dioxide emissions shall not exceed 15.8 tons/year when burning natural gas and/or number 2 fuel oil. Volatile organic compound emissions shall not exceed 8.3 tons/year when burning natural gas and/or number 2 fuel oil. Nitrogen oxides emissions shall not exceed 39.95 tons/year when burning natural gas and/or number 2 fuel oil. Carbon monoxide emissions shall not exceed 77.8 tons/year when burning natural gas and/or number 2 fuel oil. See A.II.1-3 and A.II.5 below.

2. Additional Terms and Conditions

2.a 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 01-7409.

II. Operational Restrictions

1. The annual natural gas consumption shall not exceed 1,951 million cubic feet (MM cu.ft) based upon a rolling, 365-day summation of the natural gas consumption figures.

2. The annual number 2 fuel oil consumption shall not exceed 428,800 gallons based upon a rolling, 365-day summation of the number 2 fuel oil consumption figures.

3. The quality of the number 2 fuel oil burned in this emissions unit shall meet, on an as-received basis, a sulfur content which is equal to or less than 0.5 weight percent sulfur.

4. The permittee shall operate and maintain equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit when combusting number 2 fuel oil.

5. The permittee shall operate low NOx burners and employ flue gas recirculation at all times this emissions unit is in operation.

6. The permittee shall operate and maintain equipment to continuously monitor and record the NOx emissions from this emissions unit when combusting number 2 fuel oil.

7. The permittee shall burn only natural gas and/or number 2 fuel oil in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. 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 supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA, Central District Office.

2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) Also, if necessary, the permittee shall maintain monthly records of the calculated sulfur dioxide emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

3. For each day during which the permittee burns a fuel other than natural gas or number 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

4. The permittee shall maintain daily records of the following information:

a. the natural gas consumption for each day (MM cu.ft);

b. the number 2 fuel oil consumption for each day (gal);

c. the total actual heat input values as determined through F-Factor and carbon dioxide/oxygen calculations as specified in 40 CFR Part 60, Appendix A, Method 19;

d. the rolling, 30-day average nitrogen oxides emission rate, in lb/mmBtu when burning number 2 fuel oil;

e. the rolling, 365-day summation of the natural gas consumption figures (MM cu.ft); and

f. the rolling, 365-day summation of the number 2 fuel oil consumption figures (gal).

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

5. The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit when using number 2 fuel oil. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

Each continuous emission monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

The permittee shall maintain a certification letter from the Ohio EPA documenting that the continuous opacity monitoring system has been certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous opacity monitoring system: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

6. Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the continuous opacity monitoring system designed to ensure continuous valid and representative readings of opacity. The plan shall include, as a minimum, conducting and recording daily automatic zero/span checks, provisions for conducting a quarterly audit of the continuous opacity monitoring system, and a description of preventive maintenance activities. The plan shall describe step by step procedures for ensuring that sections 7.1.4, 7.4.1, 7.4.2, and Table 1-1 of Performance Specification 1 are maintained on a continuous basis. The quality assurance/quality control plan and a logbook dedicated to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

7. The permittee shall operate and maintain existing equipment to continuously monitor and record NOx emissions from this emissions unit, in units of the applicable standard. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13 and/or 40 CFR Part 75

The permittee shall maintain on-site documentation from the USEPA or the Ohio EPA that the continuous nitrogen oxides monitoring system has been certified in accordance with 40 CFR Part 60. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous nitrogen oxides monitoring system: emissions of nitrogen oxides in lb/mmBtu actual heat input on an hourly average basis, emissions of nitrogen oxides in lb/mmBtu on a rolling, 30-day average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

8. Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the continuous NOx monitoring system designed to ensure continuous valid and representative readings of NOx emissions in units of the applicable standard. The plan shall follow the requirements of 40 CFR Part 60, Appendix F and/or 40 CFR Part 75, Appendix B. The quality assurance/quality control plan and a logbook dedicated to the continuous NOx monitoring system must be kept on site and available for inspection during regular office hours.

9. Each continuous emission monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

10. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of 5 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 the permit. Such records may be maintained in computerized form.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports for the following:

a. all exceedances of the rolling, 365-day natural gas consumption limitation;

b. all exceedances of the rolling, 365-day number 2 fuel oil consumption limitation; and

c. all exceedances of the number 2 fuel oil sulfur content limitation.

The quarterly reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rates and any record which shows a deviation of the allowable sulfur content. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 45 days after the deviation occurs.

3. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

4. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Ohio EPA, Central District Office documenting all instances of opacity values in excess of the limitations specified above when burning number 2 fuel oil, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective action(s) taken (if any) of each 6 minute block average above the applicable opacity limitation(s).

The reports shall also identify any excursions of the start-up and shutdown provisions specified in OAC rule 3745-17-07(A)(3) and document any continuous opacity monitoring system downtime while the emissions unit was on line (date, time, duration and reason) when burning number 2 fuel oil, along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the date, time, reason, and corrective action(s) taken for each time period of monitoring system malfunction. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report.

5. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Ohio EPA, Central District Office documenting the date, commencement and completion time, duration, magnitude, reason (if known), and corrective actions taken (if any), of all 30-day average nitrogen oxides values in excess of the applicable nitrogen oxides emission rate (lb/mmBtu).

The reports shall also document any continuous nitrogen oxides monitoring system downtime while the emissions unit was on line (date, time, duration and reason), along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall also be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the date, time, reason, and corrective action(s) taken for each time period of monitoring system malfunction. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report.

6. The permittee shall submit annual reports that specify the total particulate, sulfur dioxide, volatile organic compound, nitrogen oxides, and carbon monoxide emissions for this emissions unit for the previous calendar year. These reports shall by submitted by January 31 of each year

V. Testing Requirements

1. Compliance with the emission limitations specified in Section A.I shall be determined in accordance with the following methods:

1.a Emission Limitations:
Particulate emissions shall not exceed 0.0196 lb/mmBtu of actual heat input while burning number 2 fuel oil, and 0.007 lb/mmBtu while burning natural gas.

Applicable Compliance Method:
When firing natural gas, compliance with this emission limitation may be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (302,512 CF/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for filterable particulates in natural gas combustion (1.9 lbs of particulates/mmCF), and dividing by the maximum hourly heat input capacity of the emissions unit (313 mmBtu/hr).

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

i. The emission testing shall be conducted within 6 months of permit expiration when firing number 2 fuel oil.

ii. The emission testing shall be conducted to demonstrate compliance with the particulate emission limitation.

iii. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate(s): 40 CFR Part 60, Appendix A, Methods 1 through 5. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

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

1.b Emission Limitation:
Particulate emissions shall not exceed 7.7 tons/year when burning natural gas and/or number 2 fuel oil.

Applicable Compliance Method:
Compliance shall be demonstrated by summing the annual natural gas and number 2 fuel oil emissions.

The natural gas annual emissions shall be determined by multiplying the annual natural gas usage (CF/yr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for filterable particulates in natural gas combustion (1.9 lbs of particulates/mmCF), and dividing by 2000 pounds per ton.

The number 2 fuel oil emissions shall be determined by multiplying the emission factor established during the most recent emission test that demonstrated compliance (lbs/gal) by the annual number 2 fuel oil usage (gal/yr) and dividing by 2000 pounds per ton.

V. Testing Requirements (continued)

1.c Emission Limitations:
Sulfur dioxide emissions shall not exceed 0.507 lb/mmBtu of actual heat input when burning number 2 fuel oil and 0.0006 lb/mmBtu when burning natural gas.

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

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

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

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6, while firing number 2 fuel oil.

1.d Emission Limitation:
Sulfur dioxide emissions shall not exceed 15.8 tons/year when burning natural gas and/or number 2 fuel oil.

Applicable Compliance Method:
Compliance shall be demonstrated by summing the annual natural gas and number 2 fuel oil emissions.

The natural gas annual emissions shall be determined by multiplying the annual natural gas usage (CF/yr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for sulfur dioxide in natural gas combustion (0.6 lb of SO2/mmCF), and dividing by 2000 pounds per ton.

When firing fuel oil compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by multiplying the rolling, 365-day summation of number 2 fuel oil consumption (gal) by the emission factor of 157*S lbs SO2/gal, where S equals sulfur content (from AP-42, Table 1.3-1, 9/98) and dividing by 2000 pounds per ton.

1.e Emission Limitations:
Volatile organic compound emissions shall not exceed 0.009 lb/mmBtu of actual heat input when burning number 2 fuel oil and 0.008 lb/mmBtu when burning natural gas.

Applicable Compliance Method:
When firing natural gas, compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (302,512 CF/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for volatile organic compounds in natural gas combustion (5.5 lbs of VOC/mmCF), and dividing by the maximum hourly heat input capacity of the emissions unit (313 mmBtu/hr).

When firing number 2 fuel oil, compliance with this emission limitation shall be demonstrated by multiplying the maximum fuel oil burning capacity of the emissions unit (2144 gal/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.3-1 (9/98) for volatile organic compounds in number 2 fuel oil combustion (0.34 lb of VOC/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (313 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25.

V. Testing Requirements (continued)

1.f Emission Limitation:
Volatile organic compound emissions shall not exceed 8.3 tons/year when burning natural gas and/or number 2 fuel oil.

Applicable Compliance Method:
Compliance shall be demonstrated by summing the annual natural gas and number 2 fuel oil emissions.

The natural gas annual emissions shall be determined by multiplying the annual natural gas usage (CF/yr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-5 (7/98) for volatile organic compounds in natural gas combustion (5.5 lbs VOC/mmCF), and dividing by 2000 pounds per ton.

The number 2 fuel oil emissions shall be determined by multiplying the annual number 2 fuel oil usage (gal) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.3-1 (9/98) for volatile organic compounds in number 2 fuel oil combustion (0.34 lb of VOC/1000 gal), and dividing by 2000 pounds per ton.

1.g Emission Limitations:
Carbon monoxide emissions shall not exceed 0.17 lb/mmBtu of actual heat input while burning number 2 fuel oil, and 0.072 lb/mmBtu of actual heat input while burning natural gas.

Applicable Compliance Method:
When firing natural gas, compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (302,512 CF/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for carbon monoxide in natural gas combustion (84 lbs of CO/mmCF), and dividing by the maximum hourly heat input capacity of the emissions unit (313 mmBtu/hr).

When firing number 2 fuel oil, compliance with this emission limitation shall be demonstrated by multiplying the maximum fuel oil burning capacity of the emissions unit (2144 gal/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.3-1 (9/98) for carbon monoxide in number 2 fuel oil combustion (5 lbs of CO/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (313 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

1.h Emission limitation:
Carbon monoxide emissions shall not exceed 77.8 tons/year when burning natural gas and/or number 2 fuel oil.

Applicable Compliance Method:
Compliance shall be demonstrated by summing the annual natural gas and number 2 fuel oil emissions.

The natural gas annual emissions shall be determined by multiplying the annual natural gas usage (CF/yr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-1 (2/98) for carbon monoxide in natural gas combustion (84 lbs CO/mmCF), and dividing by 2000 pounds per ton.

The number 2 fuel oil emissions shall be determined by multiplying the annual number 2 fuel oil usage (gal) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.3-1 (9/98) for carbon monoxide in number 2 fuel oil combustion (5 lbs of CO/1000 gal), and dividing by 2000 pounds per ton.

V. Testing Requirements (continued)

1.i Emission Limitations:
Nitrogen oxides emissions shall not exceed 0.12 lb/mmBtu of actual heat input while burning number 2 fuel oil and 0.036 lb/mmBtu of actual heat input while burning natural gas.

Applicable Compliance Method:
When firing natural gas, compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (302,512 CF/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for nitrogen oxides in natural gas combustion (100 lbs of NOx/mmCF), and dividing by the maximum hourly heat input capacity of the emissions unit (313 mmBtu/hr).

When burning number 2 fuel oil, compliance with the emission limitation shall be demonstrated on a continuous basis through the use of a 30-day rolling average emission rate. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly nitrogen oxides emission data for the preceding 30 steam generating unit operating days.

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

1.j Emission limitation:
Nitrogen oxides emissions shall not exceed 39.95 tons/year when burning natural gas and/or number 2 fuel oil.

Applicable Compliance Method:
Compliance shall be demonstrated by summing the annual natural gas and number 2 fuel oil emissions.

The natural gas annual emissions shall be determined by multiplying the annual natural gas usage (CF/yr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-1 (2/98) for nitrogen oxides in natural gas combustion (100 lbs NOx/mmCF), and dividing by 2000 pounds per ton.

The number 2 fuel oil emissions shall be determined by multiplying the rolling, 365-day summation of number 2 fuel oil consumption (gal) by the emission factor determined during the most recent stack test (lb of NOx/1000 gal), and dividing by 2000 pounds per ton.

1.k Emission limitation:
When firing natural gas, visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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.l Emission limitation:
When firing number 2 fuel oil, visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity.

Applicable Compliance Method:
Compliance may be determined by the data collected and recorded in Section A.III.5 for the COM and, if required, by visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Vet Hosp 3 (B134)

Activity Description: Vet Hosp - 151923

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
16.7 mmBtu/hr natural gas-fired boiler - VH #3	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

2. Additional Terms and Conditions

None

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

IV. Reporting Requirements

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

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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).

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum natural gas burning capacity of the emissions unit (16,700 CF/hr) by the AP-42 (Table 1.4-5, 7/98) emission factor for natural gas combustion (1.9 lbs/mmCF) and dividing by the maximum heat input capacity of the emissions unit (16.7 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Vet Hosp 4 (B135)

Activity Description: Vet Hosp - 151924

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
16.7 mmBtu/hr natural gas-fired boiler - VH #4	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

2. Additional Terms and Conditions

None

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

IV. Reporting Requirements

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

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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).

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum natural gas burning capacity of the emissions unit (16,700 CF/hr) by the AP-42 (Table 1.4-5, 7/98) emission factor for natural gas combustion (1.9 lbs/mmCF) and dividing by the maximum heat input capacity of the emissions unit (16.7 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Vet Hosp 5 (B136)

Activity Description: Vet Hosp - 151925

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
16.7 mmBtu/hr natural gas-fired boiler - VH #5	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

2. Additional Terms and Conditions

None

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

IV. Reporting Requirements

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

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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).

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.020 pound per mmBtu of actual heat input.

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum natural gas burning capacity of the emissions unit (16,700 CF/hr) by the AP-42 (Table 1.4-5, 7/98) emission factor for natural gas combustion (1.9 lbs/mmCF) and dividing by the maximum heat input capacity of the emissions unit (16.7 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: McCracken Natural Gas Driven Compressor (B137)

Activity Description: 230 HP Caterpillar natural gas driven compressor.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
230 HP Caterpillar natural gas-driven compressor	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(5)(a)	Particulate emissions shall not exceed 0.25 lb/mmBtu actual heat input. See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(a)	Particulate emissions shall not exceed 0.310 lb/mmBtu actual heat input. See A.I.2.b below.
	OAC rule 3745-18-06	None, exempt pursuant to OAC rules 3745-18-06(A) and 3745-18-06(B).

2. Additional Terms and Conditions

2.a The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.310 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

2.b This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

IV. Reporting Requirements

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

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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:
Particulate emissions shall not exceed 0.25 lb/mmBtu actual heat input.

Applicable Compliance Method:
Compliance may be based upon an emission factor of 0.0095 lb/mmBtu. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-3 (07/00).

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).

1.c Emission Limitation:
Particulate emissions shall not exceed 0.310 lb/mmBtu of actual heat input.

Applicable Compliance Method:
Compliance may be based upon an emission factor of 0.0095 lb/mmBtu. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-3 (07/00).

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).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bldg290-17 (K001)

Activity Description: 290/ , Heidelberg Speedmaster 5 Color Press

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
offset, lithographic 5-color printing press	OAC rule 3745-31-05(A)(3) (PTI 01-6745)	Organic compound emissions shall not exceed 38.64 lbs/day. Organic compound emissions shall not exceed 7.05 tons/yr. See A.II.1 below.
	OAC rule 3745-21-07(G)	See A.I.2.a below.

2. Additional Terms and Conditions

2.a To avoid the emission limitations/control requirements contained in OAC rule 3745-21-07(G)(2), no photochemically reactive materials (i.e., as raw materials or cleanup materials) shall be employed in this emissions unit.

Note: The definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

1. The maximum annual ink usage for this emissions unit shall not exceed 7020 gallons per year.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on a daily basis for this emissions unit:

a. the company identification for each coating, ink, and cleanup material employed;

b. the number of gallons of each coating, ink, and cleanup material employed;

c. the organic compound (OC) content of each coating, ink, and cleanup material (lbs/gallon); and

d. the total OC emission rate for all coatings, inks, and cleanup materials (lbs/day).

2. The permittee shall collect and record the the total OC emission rate for all coatings, inks, and cleanup materials (tons) on an annual basis for this emissions unit by summing the daily emission totals from Section A.III.1.d and dividing by 2000 lbs/ton.

3. The permittee shall maintain records for each material employed in this emissions unit that indicate whether or not the material is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that specify all exceedences of the daily OC emission limitation.

The quarterly reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

2. The permittee shall submit deviation (excursion) reports that identify all periods of time when a photochemically reactive material is employed in this emissions unit. These reports shall be submitted within 30 days after the occurrence.

3. The permittee shall also submit annual reports that specify the total OC emissions and the total ink usage for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

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

1.a Emission Limitation:
Organic compounds shall not exceed 38.64 lbs/day.

Applicable Compliance Method:
Compliance may be demonstrated based on the record keeping in Section A.III.1.d.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18.

1.b Emission Limitation:
Organic compound emissions shall not exceed 7.05 tons/yr.

Applicable Compliance Method:
Compliance shall be demonstrated based on the record keeping in Section A.III.2.

2. Formulation data or USEPA Method 24 (for coatings) or 24A (for flexographic and rotogravure printing inks and related coatings) shall be used to determine the organic compound contents of the coatings and inks.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
offset, lithographic 5-color printing press		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permit to install for this emissions unit (K001) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: isopropyl alcohol

TLV (mg/m3): 983

Maximum Hourly Emission Rate (lbs/hr): 39

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 14,454

MAGLC (ug/m3): 23,404.8

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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

3. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31- 01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RhodesETO1 (P001)

Activity Description: ETO #1 at Rhodes Hall. Sterilizer for hospital equipment.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
ethylene oxide sterilizer (ETO)	OAC rule 3745-31-05(A)(3) (PTI 01-08310)	Ethylene oxide emissions shall not exceed 1.34 lbs/hr and 0.25 ton/yr. HCFC emissions shall not exceed 12.06 lbs/hr and 2.2 tons/yr. See A.II.1 through A.II.3 below.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. This emissions unit shall not exceed one (1) sterilization cycle per day.

2. The permittee shall not use a sterilant gas that contains greater than 10% ethylene oxide.

3. This emissions unit shall not release fugitive emissions of ethylene oxide.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information for this emissions unit:

a. the number of operating cycles;

b. the ethylene oxide content of the sterilant gas if it exceeds 10%;

c. the release of fugitive ethylene oxide emissions; and

d. all supporting analyses and computations.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify the following:

a. each day during which more than one sterilization cycle took place;

b. each day during which a sterilant gas was used with greater than 10% ethylene oxide; and

c. each day during which fugitive ethylene oxide emissions were released.

Each report shall be submitted within 30 days of the date the deviation occured.

V. Testing Requirements

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

1.a Emission Limitation:
Ethylene oxide emissions shall not exceed 1.34 lbs/hr.

Applicable Compliance Method:
This emission limitation was established by mulitplying the maximum amount of sterilization solution used per operating cycle (13.4 lbs), by the restricted ethylene oxide content of the solution (10%), by the restricted number of operating cycles (1). Since each operating cycle yields one ventilation period that consumes less than one (1) hour, the emissions unit will emit no more than 1.34 lbs/hr.

Therefore, compliance with this emission limitation may be demonstrated by restricting the ethylene oxide content of the solution to no more than 10% and by restricting the emissions unit to no more than one (1) cycle per day.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with U.S. EPA approved methods.

1.b Emission Limitation:
Ethylene oxide emissions shall not exceed 0.25 ton/yr.

Applicable Compliance Method:
Since each sterilization operating cycle yields one ventilation period that consumes less than one (1) hour and the emissions unit is limited to no more than one (1) operating cycle per day, lbs of ethylene oxide emitted/hr equals lbs of ethylene oxide emitted/day.

This emission limitation was established by multiplying the maximum allowable daily ethylene oxide emission rate (1.34 lbs/day) by 365 days/yr, and dividing by 2000 lbs/ton.

Therefore, compliance with this emission limitation may be assumed provided that the permittee complies with the operational restrictions for this emissions unit.

1.c Emission Limitation:
HCFC emissions shall not exceed 12.06 lbs/hr.

Applicable Compliance Method:
This emission limitation was established by mulitplying the maximum amount of sterilization solution used per operating cycle (13.4 lbs), by the HCFC content of the solution (90%), by the restricted number of operating cycles (1). Each operating cycle yields one ventilation period that consumes less than one (1) hour.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with U.S. EPA approved methods.

V. Testing Requirements (continued)

1.d Emission Limitation:
HCFC emissions shall not exceed 2.2 tons/yr.

Applicable Compliance Method:
Since each sterilization operating cycle yields one ventilation period that consumes less than one (1) hour and the emissions unit is limited to no more than one (1) operating cycle per day, lbs of HCFC emitted/hr equals lbs of HCFC emitted/day.

This emission limitation was established by multiplying the daily HCFC emission rate (12.06 lbs/day) by 365 days/yr, and dividing by 2000 lbs/ton.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
ethylene oxide sterilizer (ETO)		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permit to install for this emissions unit (P001) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Chlorodifluoro methane (HCFC)
TLV (mg/m3): 3536.6
Maximum Hourly Emission Rate (lbs/hr): 12.06
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 158
MAGLC (ug/m3): 353.6

Pollutant: Ethylene oxide
TLV (mg/m3): 180
Maximum Hourly Emission Rate (lbs/hr): 1.34
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 158
MAGLC (ug/m3): 180

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

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

3. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: McCracken Coal Handling (P901)

Activity Description: Coal stroage bldh & transport to bunker - blower/bag filter

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
McCracken coal handling - fully enclosed loading, unloading and conveying operations controlled with a fabric filter; fully enclosed coal storage piles	OAC rule 3745-31-05(A)(3) (PTI 01-572)	Visible particulate emissions from any stack shall not exceed 20% opacity, except for a period of not more than 3 minutes in any 60 minutes when opacity of up to and including 60% is permitted. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1), 3745-17-07(B)(1), and 3745-17-08(B).
	OAC rule 3745-17-11(B)(1)	5.0 lbs/hr of particulate emissions
	OAC rule 3745-17-07(A)	The emission limitations specified by this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(B)(1)	Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average.
	OAC rule 3745-17-08(B)	See A.II.1 through A.II.3 below.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall maintain the enclosures for the coal unloading, coal crushing, coal sizing and coal conveying operations to minimize or eliminate visible emissions of fugitive dust.

2. The permittee shall spray the coal storage piles with a surfactant as needed to minimize or eliminate visible emissions of fugitive dust.

II. Operational Restrictions (continued)

3. The permittee shall employ telescoping chutes to minimize the free-fall of coal loaded onto the enclosed coal storage piles if visible fugitive particulate emissions from the building containing this emissions unit are observed based on the record keeping in Section A.III.3.

4. The pressure drop across the fabric filter shall be maintained within the range of 2-6 inches of water when the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fabric filter 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 fabric filter on a weekly basis.

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 fabric filter 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 perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the building containing this emissions unit and the associated roadways. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible fugitive 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.

IV. Reporting Requirements

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

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the fabric filter serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Central District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the non-stack egress points from the building housing this emissions unit or the associated roadways and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Central District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity, except for a period of not more than 3 minutes in any 60 minutes when opacity of up to and including 60% opacity is permitted.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.b Emission Limitation:
Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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)(3).

1.c Emission Limitation:
5.0 lbs/hr of particulate emissions

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: McCracken Ash & Lime Handling (P902)

Activity Description: Ash unloader, ash silo exhauster/bag filter, lime silo bin vent filter

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
McCracken ash unloading, ash silo with fabric filter and lime silo with fabric filter	OAC rule 3745-31-05(A)(3) (PTI 01-572)	Visible particulate emissions from any stack shall not exceed 20% opacity, except for a period of not more than 3 minutes in any 60 minutes when opacity of up to and including 60% is permitted. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1), 3745-17-07(B)(1), and 3745-17-08(B).
	OAC rule 3745-17-11(B)(1)	5.0 lbs/hr of particulate emissions
	OAC rule 3745-17-07(A)	The emission limitations specified by this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(B)(1)	Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average.
	OAC rule 3745-17-08(B)	See A.II.1 through A.II.3 below.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall cover all trucks utilized for ash disposal.

2. The permittee shall not stockpile refuse at the facility.

3. The pressure drop across the fabric filter shall be maintained within the range of 2-6 inches of water when the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fabric filter 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 fabric filter on a weekly basis.

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 fabric filters 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 perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the building containing this emissions unit and the associated roadways. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible fugitive 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.

IV. Reporting Requirements

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

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the fabric filters serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Central District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the non-stack egress points from the building housing this emissions unit or the associated roadways and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Central District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

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

1.a Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity, except for a period of not more than 3 minutes in any 60 minutes when opacity of up to and including 60% opacity is permitted.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

V. Testing Requirements (continued)

1.b Emission Limitation:
Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through visible 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)(3).

1.c Emission Limitation:
5.0 lbs/hr of particulate emissions

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Booth #5B-RM301 McCracken Plant (R001)

Activity Description: Binks spray booth, model #FF 8-7T

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
wood and plastic furniture maintenance spray booth - Booth #5B	OAC rule 3745-21-07(G)(2)	Organic compound emissions shall not exceed 8 lbs/hr and 40 lbs/day.

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 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. The total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.

e. The total number of hours the emissions unit was in operation.

f. 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 definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:

a. an identification of each hour during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 lbs/hr, and the actual organic compound emissions for each such hour; and

b. an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 lbs/day, and the actual organic compound emissions for each such day.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

V. Testing Requirements

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

1.a Emission Limitations:
Organic compound emissions shall not exceed 8 lbs/hr and 40 lbs/day.

Applicable Compliance Method:
Compliance may be demonstrated through the record keeping in Section A.III.1.

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18 or 25, as appropriate.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Booth #5A-RM301 McCracken Plant (R002)

Activity Description: Binks spray booth, model #FF10-8-T

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
wood and plastic furniture maintenance spray booth - Booth #5A	OAC rule 3745-21-07(G)(2)	Organic compound emissions shall not exceed 8 lbs/hr and 40 lbs/day.

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 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. The total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.

e. The total number of hours the emissions unit was in operation.

f. 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 definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:

a. an identification of each hour during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 lbs/hr, and the actual organic compound emissions for each such hour; and

b. an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 lbs/day, and the actual organic compound emissions for each such day.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

V. Testing Requirements

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

1.a Emission Limitations:
Organic compound emissions shall not exceed 8 lbs/hr and 40 lbs/day.

Applicable Compliance Method:
Compliance may be demonstrated through the record keeping in Section A.III.1.

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18 or 25, as appropriate.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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