



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

12/05/03

CERTIFIED MAIL

**RE: Preliminary Proposed Title V
Chapter 3745-77 permit (TVP005)**

14-31-39-4148
Cinergy Solutions of St. Bernard, LLC
John F. Funke
P. O. Box 960
Room 552 Annex
Cincinnati, OH 45201

Dear John F. Funke:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 10/10/03. The comment period for the Draft permit has ended. We are now ready to submit this permit to USEPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. **In order to facilitate our review of all the comments or concerns you may have with the enclosed preliminary proposed permit, please provide a hand marked-up copy of the permit showing the changes you think are necessary, along with any additional summary comments, within fourteen (14) days from your receipt of this letter to:**

**Ohio EPA, Division of Air Pollution Control
Jim Orlemann, Manager, Engineering Section
Preliminary Proposed Title V Permit Correspondence
122 South Front Street
Columbus, Ohio 43215**

and

Hamilton County Dept. of Environmental Services
250 William Howard Taft Rd
Cincinnati, OH 45219-2660
(513) 946-7777

Also, if you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within fourteen (14) days of your receipt of this letter, we will forward the proposed permit to USEPA for approval. All comments received will be carefully considered before proceeding to the proposed permit.

Sincerely,


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

cc: Hamilton County Dept. of Environmental Services
File, DAPC PMU



State of Ohio Environmental Protection Agency

PRELIMINARY PROPOSED TITLE V PERMIT

Issue Date: 12/05/03	Effective Date: To be entered upon final issuance	Expiration Date: To be entered upon final issuance
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This document constitutes issuance of a Title V permit for Facility ID: 14-31-39-4148 to:
Cinergy Solutions of St. Bernard, LLC
 5189 Spring Grove Avenue
 Cincinnati, OH 45217

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

B022 (Boiler No. 4, IG-4A) Steam production	Steam production	Portable Boiler for Back-up Steam Production
B043 (Boiler No. 5 (PB1), IG-10)	B044 (Temporary Boiler)	

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:

Hamilton County Dept. of Environmental Services
 250 William Howard Taft Rd
 Cincinnati, OH 45219-2660
 (513) 946-7777

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
 Director

PART I - GENERAL TERMS AND CONDITIONS

A. *State and Federally Enforceable Section*

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

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.III of Part III of this Title V permit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

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

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

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

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

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

- i. **All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:**

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted by January 31, April 30, July 31, and October 31 of each year in accordance with General Term and Condition A.1.c.ii below; and each report shall cover the previous calendar quarter.

In accordance with OAC rule 3745-15-06, a malfunction constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

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

- ii. **Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.IV of Part III of this Title V permit or, in some cases, in Part II of this Title V permit, all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. OAC rule 3745-77-07(A)(3)(c) is not fully satisfied until the permittee addresses all other deviations of the federally enforceable requirements specified in the permit.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement overrides the reporting requirements specified in this General Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this General Term and Condition.

See B.6 below if no deviations occurred during the quarter.

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

- iii. **All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted in the following manner:**

Written reports that identify all other deviations of the federally enforceable requirements contained in this permit, including the monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with General Term and Condition A.1.c.ii above.

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

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

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

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

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

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

2. **Scheduled Maintenance**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in General Term and Condition A.1.c.i above.

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

3. **Risk Management Plans**

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. ("Act"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

- a. a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or
- b. as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

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

4. **Title IV Provisions**

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

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

5. Severability Clause

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

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

6. General Requirements

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

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

7. Fees

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

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

8. Marketable Permit Programs

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

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

9. Reasonably Anticipated Operating Scenarios

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

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

10. Reopening for Cause

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

- a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.
- b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.
- c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.
(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

11. Federal and State Enforceability

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

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

12. Compliance Requirements

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

shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

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

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

13. Permit Shield

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

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

14. Operational Flexibility

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

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

15. Emergencies

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

16. Off-Permit Changes

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

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.
- b. The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA. Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.
- c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).
- d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.
- e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

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

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

17. Compliance Method Requirements

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

(This term is provided for informational purposes only.)

18. Insignificant Activities

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

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

19. Permit to Install Requirement

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

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

20. Air Pollution Nuisance

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

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

21. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification by the responsible official of the date on which the emissions unit was permanently shut down. Authorization to operate the affected part or activity of the stationary source shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

If an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent “modification” or “installation” as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an “emissions unit” as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any monitoring, record keeping, reporting, or testing requirements, applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

B. State Only Enforceable Section

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

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

2. Records Retention Requirements

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

3. Inspections and Information Requests

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

4. Scheduled Maintenance/Malfunction Reporting

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

5. Permit Transfers

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

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

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

- a. where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in General Term and Condition A.1.c.ii;
- b. where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; and
- c. where the company's responsible official has certified that an emissions unit has been permanently shut down.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

1. The permittee may be subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for 40 CFR Part 63, Subpart DDDDD, Industrial/Commercial/Institutional Boilers and Process Heaters. U.S. EPA failed to promulgate this standard by May 15, 2002, the Maximum Achievable Control Technology (MACT) hammer date. In accordance with 40 CFR Part 63, Subpart B (40 CFR Parts 63.50 through 63.56), the permittee shall submit an application to revise the permit to include equivalent emission limitations as a result of a case-by-case MACT determination. The application shall be submitted in two parts. The deadline to submit the Part I application, as specified in 40 CFR Part 63.53, was May 15, 2002.

If the final NESHAP standard is not promulgated by the deadline specified by U.S. EPA, the permittee shall submit the Part II application as specified in 40 CFR Part 63.53. The Part II application shall be submitted within 60 days after the deadline to promulgate the respective standard or by May 15, 2003, whichever is later. It must contain the following information, unless otherwise specified by future U.S. EPA regulations:

- a. for a new affected source, the anticipated date of startup of operation;
 - b. the hazardous air pollutants (HAPs) emitted by each affected source in the relevant source category and an estimated total uncontrolled and controlled emission rate for HAPs from the affected source;
 - c. any existing federal, State, or local limitations or requirements applicable to the affected source;
 - d. for each affected emission point or group of affected emission points, an identification of control technology in place;
 - e. information relevant to establishing the MACT floor (or MACT emission limitation), and, at the option of the permittee, a recommended MACT floor; and
 - f. any other information reasonably needed by the permitting authority including, at the discretion of the permitting authority, information required pursuant to Subpart A of 40 CFR Part 63.
2. The Part II application for a MACT determination may, but is not required to, contain the following information:
 - a. recommended emission limitations for the affected source and support information (the permittee may recommend a specific design, equipment, work practice, or operational standard, or combination thereof, as an emission limitation);
 - b. a description of the control technologies that would be applied to meet the emission limitation, including technical information on the design, operation, size, estimated control efficiency and any other information deemed appropriate by the permitting authority, and identification of the affected sources to which the control technologies must be applied; and
 - c. relevant parameters to be monitored and frequency of monitoring to demonstrate continuous compliance with the MACT emission limitation over the applicable reporting period.
 3. If the NESHAP is promulgated before the Part II application is due for the relevant source category, the permittee may be subject to the rule as an existing major source with a compliance date as specified in the NESHAP. If subject, the permittee shall submit the following notifications:
 - a. Unless otherwise specified in the relevant Subpart, within 120 days after promulgation of a 40 CFR Part 63 Subpart to which the source is subject, the permittee shall submit an Initial Notification Report that contains the following information, in accordance with 40 CFR Part 63.9(b)(2):
 - i. the name and mailing address of the permittee;
 - ii. the physical location of the source if it is different from the mailing address;
 - iii. identification of the relevant MACT standard and the source's compliance date;
 - iv. a brief description of the nature, design, size, and method of operation of the source, including the operating design capacity and an identification of each emission point of each HAP; and
 - v. a statement confirming the facility is a major source for HAPs.

A. State and Federally Enforcable Section (continued)

b. Unless otherwise specified in the relevant Subpart, within 60 days following completion of any required compliance demonstration activity specified in the relevant Subpart, the permittee shall submit a notification of compliance status that contains the following information:

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

4. Nitrogen Oxides (NOx) Budget Trading Program

OAC Chapter 3745-14

4.a Facility Code - 880028

4.b The following regulated emissions units are subject to the applicable requirements specified in OAC Chapter 3745-14 and the annual NOx allowance allocation listed below:

Emissions Unit	Annual Allowance for Calendar Years 2004 through 2007
B021 (retired)	71
B022	292

4.c The emissions units identified in Section A.4.b above are NOx budget units under OAC rule 3745-14-01(C)(1)(b).
 [OAC rule 3745-14-01(C)(1)]

4.d NOx allowances for units commencing operation on the dates specified in OAC rule 3745-14-05(C)(4) shall be allocated from the new source set-aside in accordance with the provisions of OAC rule 3745-14-05(C)(4)(d).
 [OAC rule 3745-14-05(C)(4)]

4.e The NOx authorized account representative shall submit a complete NOx budget permit application in accordance with the deadlines specified in paragraphs (B)(2) and (B)(3) of OAC rule 3745-14-03. The NOx authorized account representative shall also submit, in a timely manner, any supplemental information that the Director determines is necessary in order to review a NOx budget permit application and issue or deny a NOx budget permit.
 [OAC rules 3745-14-01(E)(1)(a)(i), 3745-14-01(E)(1)(a)(ii), and 3745-14-03(B)(1)]

A. State and Federally Enforcable Section (continued)

- 4.f** Beginning May 31, 2004, the owners and operators of each NOx budget source and each NOx budget unit at the source shall hold NOx allowances available for compliance deductions under paragraph (E) of OAC rule 3745-14-06, as of the NOx allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NOx emissions for the control period from the unit, as determined in accordance with OAC rule 3745-14-08, plus any amount necessary to account for actual utilization under paragraph (C)(5) of OAC rule 3745-14-05 for the control period.
[OAC rules 3745-14-01(E)(3)(a) and 3745-14-01(E)(3)(c)]
- 4.g** NOx allowances shall be held in, deducted from, or transferred among NOx allowance tracking system accounts in accordance with OAC rules 3745-14-05, 3745-14-06, 3745-14-07, and 3745-14-09.
[OAC rule 3745-14-01(E)(3)(d)]
- 4.h** A NOx allowance shall not be deducted, in order to comply with the requirement under paragraph (E)(3)(a) of OAC rule 3745-14-01, for a control period in a year prior to the year for which the NOx allowance was allocated.
[OAC rule 3745-14-01(E)(3)(e)]
- 4.i** Each ton of NOx emitted in excess of the NOx budget emission limitation, as defined in OAC rule 3745-14-01(B)(2)(yy), shall constitute a separate violation of OAC Chapter 3745-14, the Clean Air Act, and applicable Ohio law. The owners and operators of a NOx budget unit that has excess emissions in any control period shall surrender the NOx allowances required for deduction under paragraph (E)(4)(a) of OAC rule 3745-14-06 and pay any fine, penalty, or assessment or comply with any other remedy imposed under paragraph (E)(4)(c) of OAC rule 3745-14-06.
[OAC rules 3745-14-01(E)(3)(b), 3745-14-01(E)(4)(a) and 745-14-01(E)(4)(b)]
- 4.j** When recorded by the Administrator pursuant to OAC rules 3745-14-06 and 3745-14-07, every allocation, transfer, or deduction of a NOx allowance to or from a NOx budget unit's compliance account or the overdraft account of the source where the unit is located is deemed to amend automatically, and become a part of, any NOx budget permit of the NOx budget unit by operation of law without any further review.
[OAC rule 3745-14-01(E)(3)(h)]
- 4.k** Except as provided below, the Director shall revise the NOx budget permit, as necessary, in accordance with OAC rule 3745-77-08. Each NOx budget permit is deemed to incorporate automatically the definitions of terms under paragraph (B) of OAC rule 3745-14-01 and, when recorded by the Administrator, in accordance with OAC rules 3745-14-06 and 3745-14-07, every allocation, transfer, or deduction of a NOx allowance to or from the compliance accounts of the NOx budget units covered by the permit or the overdraft account of the NOx budget source covered by the permit.
[OAC rules 3745-14-03(D)(2) and 3745-14-03(E)(1)]
- 4.l** The owner or operator of a NOx budget unit shall comply with the prohibitions under OAC rule 3745-14-08(A)(5).
[OAC rule 3745-14-08(A)(5)]

A. State and Federally Enforcable Section (continued)

- 4.m** The owners and operators of the NOx budget unit shall keep on site at the source each of the following documents for a period of five years from the date the document is created: (This period may be extended for cause, at any time prior to the end of five years, in writing by the Director or Administrator.)
- i. the account certificate of representation for the NOx authorized account representative for the NOx budget unit and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with paragraph (D) of OAC rule 3745-14-02, provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new account certificate or representation changing the NOx authorized account representative;
 - ii. all emission monitoring information, in accordance with OAC rule 3745-14-08;
 - iii. copies of all reports, compliance certifications, and other submissions and all records made or required under the NOx budget trading program; and
 - iv. copies of all documents used to complete a NOx budget permit application and any other submission under the NOx budget trading program or to demonstrate compliance with the requirements of the NOx budget trading program.
[OAC rule 3745-14-01(E)(5)(a)(i) through (iv)]
- 4.n** The permittee, and to the extent applicable, the NOx authorized account representative of the NOx budget unit, shall comply with the monitoring and reporting requirements as provided in OAC rule 3745-14-08 and in 40 CFR Part 75, Subpart H. For purposes of complying with such requirements the definitions in OAC rule 3745-14-01(B) and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be replaced by the terms "NOx budget unit," "NOx authorized account representative," and "continuous emission monitoring system" (or "CEMS"), respectively, as defined in OAC rule 3745-14-01(B).
[OAC rule 3745-14-08(A)]
- 4.o** The permittee shall operate and maintain equipment to continuously monitor and record nitrogen oxides emissions from these emissions units in units of the applicable standards. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 75. 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. This includes all systems required to monitor the NOx emission rate, NOx concentration, heat input rate, and stack flow rate, in accordance with 40 CFR Parts 75.71 and 75.72. The permittee shall comply with the initial and re-certification procedures of 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 75. 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 lbs/hr, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments. Whenever the monitoring system fails to meet the quality assurance or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable procedures in Subpart D, Appendix D, or Appendix E of 40 CFR Part 75.
[OAC rules 3745-14-01(E)(2)(a), 3745-14-01(E)(5)(a)(ii), 745-14-08(A)(2)(a) through (A)(2)(d), 3745-14-08(B)(1), and 3745-14-08(C)(1)]
- 4.p** The permittee shall comply with the monitoring plan requirements of 40 CFR Part 75.62, except that the monitoring plan is only required to include information required by 40 CFR Part 75, Subpart H.
[OAC rule 3745-14-08(E)(2)(b)]
- 4.q** The NOx authorized account representative of the NOx budget unit shall submit the reports and compliance certifications required under the NOx budget trading program, including those under OAC rules 3745-14-04 and 3745-14-08, to the Director and Administrator.
[OAC rule 3745-14-01(E)(4)(b)]

A. State and Federally Enforcable Section (continued)

- 4.r** Each submission under the NOx budget trading program shall be submitted, signed, and certified by the NOx authorized account representative for each NOx budget source on behalf of which the submission is made. Each such submission shall include the following certification statement by the NOx authorized account representative:

"I am authorized to make this submission on behalf of the owners and operators of the NOx budget sources or NOx budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

If the NOx authorized account representative for a NOx budget unit subject to an acid rain emission limitation who signed and certified any submission that is made under Subpart F or G of 40 CFR Part 75 and which includes data and information required under OAC rule 3745-14-08 or Subpart H of 40 CFR Part 75 is not the same person as the designated representative or the alternate designated representative for the unit under 40 CFR Part 72, then the submission shall also be signed by the designated representative or the alternate designated representative.

[OAC rules 3745-14-02(A)(5) and 3745-14-08(E)(1)(b)]

- 4.s** The NOx authorized account representative shall submit quarterly reports covering the period May 1 through September 30 of each year and including the data described in 40 CFR Part 75.74(c)(6). The NOx authorized account representative shall submit such quarterly reports, beginning with the calendar quarter covering May 1 through June 30, 2003. The NOx authorized account representative shall submit each quarterly report to the Administrator within thirty days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR Part 75, Subpart H.
[OAC rules 3745-14-08(E)(4)(b) and 3745-14-08(E)(4)(c)(i)]

- 4.t** The NOx authorized account representative shall submit to the Administrator a compliance certification in support of each quarterly report based on a reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The compliance certification shall state that:

i. the monitoring data submitted were recorded in accordance with the applicable requirements of OAC rule 3745-14-08 and 40 CFR Part 75, including the quality assurance procedures and specifications; and

ii. for a unit with add-on NOx emission controls and for all hours where data are substituted in accordance with 40 CFR Part 75.34(a)(1), the add-on emission control were operating within the range of parameters listed in the quality assurance program under Appendix B of 40 CFR Part 75 and the substitute values do not systematically underestimate the NOx emissions.

[OAC rule 3745-14-08(E)(4)(d)(i) and (ii)]

- 4.u** The NOx authorized account representative for a NOx budget unit shall submit written notice of monitoring system certification and re-certification test dates to the Director and the Administrator in accordance with 40 CFR Part 75.61. The NOx authorized account representative shall submit a certification application to the Administrator, U.S. EPA, Region V Office, and the Director within forty-five days after completing all initial or re-certification tests required under paragraph (B) of OAC rule 3745-14-08, including the information required under Subpart H of 40 CFR Part 75.

[OAC rules 3745-14-08(D) and 3745-14-08(E)(3)]

A. State and Federally Enforcable Section (continued)

- 4.v** For each control period in which one or more NOx budget units at a source are subject to the NOx budget emission limitation, the NOx authorized account representative of the source shall submit to the Director and the Administrator, by November 30 of that year, a compliance certification report for each source covering all such units. The NOx authorized account representative shall include the following elements in the compliance certification report, in a format prescribed by the Administrator, concerning each unit at the source and subject to the NOx budget emission limitation for the control period covered by the report:
- i. identification of each NOx budget unit;
 - ii. at the NOx authorized account representative's option, the serial numbers of the NOx allowances that are to be deducted from each unit's compliance account under paragraph (E) of OAC rule 3745-14-06 for the control period;
 - iii. at the NOx authorized account representative's option, for units sharing a common stack and having NOx emissions that are not monitored separately or apportioned in accordance with OAC rule 3745-14-08, the percentage of allowances that is to be deducted from each unit's compliance account under paragraph (E)(5) of OAC rule 3745-14-06; and
 - iv. the compliance certification under paragraph (A)(3) of OAC rule 3745-14-04.
[OAC rules 3745-14-04(A)(1) and 3745-14-04(A)(2)]
- 4.w** In the compliance certification report under Section A.4.v.iv above, the NOx authorized account representative shall certify, based upon reasonable inquiry of those persons with the primary responsibility for operating the source and the NOx budget units at the source in compliance with the NOx budget trading program, whether each NOx budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the NOx budget trading program applicable to the unit, including all the following:
- i. whether the unit was operated in compliance with the NOx budget emission limitation;
 - ii. whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NOx emissions to the unit, in accordance with OAC rule 3745-14-08;
 - iii. whether all the NOx emissions from the unit, or group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with OAC rule 3745-14-08, and if conditional data were reported, the permittee shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report submissions have been made; and
 - iv. whether the facts that form the basis for certification under OAC rule 3745-14-08 of each monitor at the unit or group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under OAC rule 3745-14-08, if any, have changed. If a change is required to be reported under Section A.1.v.iv above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor re-certification.
[OAC rule 3745-14-04(A)(3)]
- 4.x** The NOx authorized account representative shall submit a complete NOx budget permit renewal application for the NOx budget source covering the NOx budget units at the source in accordance with paragraph (E) of OAC rule 3745-77-08.
[OAC rule 3745-14-03(B)(3)(a)]
- 4.y** The emission measurements recorded and reported in accordance with OAC rule 3745-14-08 shall be used to determine compliance by the unit with the NOx budget emission limitation under paragraph (E)(3) of OAC rule 3745-14-01.
[OAC rule 3745-14-01(E)(2)(b)]

A. State and Federally Enforceable Section (continued)

- 4.z** The permittee shall develop and maintain a written quality assurance/quality control plan for each 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 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.
[OAC rules 3745-14-08(A)(2)(c) and 3745-14-08(A)(2)(d)]
- 5.** This facility is subject to the applicable requirements specified in OAC Chapter 3745-25. In accordance with Ohio EPA Engineering Guide #64, the emission control action programs, as specified in OAC rule 3745-25-03, shall be developed and submitted within 60 days after receiving notification from the Ohio EPA.
- 6.** All asbestos renovation and demolition activities conducted at this facility shall be performed in accordance with the applicable requirements specified in 40 CFR Part 61 and OAC Chapter 3745-20.
- 7.** The permittee shall comply with all applicable provisions specified in 40 CFR Part 82, Subpart F as related to the operations at this facility.
- 8.** The following insignificant emissions units are located at this facility:
- P031 boiler water treatment, IG-6A;
 - P092 lime day bin, IG-7;
 - P093 boilerhouse acid cleaning pots, IG-8A;
 - P094 lime slurry mixing tanks, IG-9A; and
 - P901 dry fly ash system.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, and well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more of the applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

- 9.** This permit does not authorize the operation of roadways and/or parking areas, storage piles, coal and/or lime handling systems, or fuel oil storage tanks at this facility because these operations were not included as part of the permittee's application for this facility.

B. State Only Enforceable Section

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler No. 4, IG-4A (B022)
Activity Description: Steam production

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
450 MMBtu per hour coal, No.6 fuel oil, and natural gas-fired boiler controlled with an electrostatic precipitator (ESP).	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)	When burning natural gas, particulate emissions shall not exceed 0.020 pound per MMBtu of actual heat input.
	OAC rule 3745-17-10(C)	When burning coal or No. 6 fuel oil, particulate emissions shall not exceed 0.13 pound per MMBtu of actual heat input.
	OAC rule 3745-18-37(GG)(2)	See A.I.2.a below.
	OAC rule 3745-18-37(GG)(4)	Sulfur dioxide emissions shall not exceed 2.0 pounds per MMBtu of actual heat input.
		See A.I.2.b and A.I.2.c below.

2. Additional Terms and Conditions

- 2.a The average operating rate restriction specified in this rule is no longer applicable because emissions units B001, B008, and B021 have been shutdown.
- 2.b The average operating rate of this emissions unit shall not exceed 450 MMBtu per hour for any calendar day.
- 2.c The exhaust stack serving this emissions unit shall be no lower than 213 feet above ground level.

II. Operational Restrictions

1. The permittee shall operate the ESP during any operation of this emissions unit, except during periods of start-up and shutdown that are exempted pursuant to OAC rules 3745-17-07(A)(3)(a)(i) and 3745-17-07(A)(3)(b)(i), or during malfunctions that are exempted pursuant to OAC rule 3745-17-07(A)(3)(c).

II. Operational Restrictions (continued)

2. The quality of the fuels burned in this emissions unit shall have a combination of sulfur content and heat content that is sufficient to comply with the allowable sulfur dioxide emission limitation of 2.0 pounds per MMBtu of actual heat input.

III. Monitoring and/or Record Keeping Requirements

1. 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 Part 60.13.

Each continuous emission monitoring system consists of all the equipment used to acquire data and includes the 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 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.

2. To obtain an exemption pursuant to OAC rule 3745-17-07(A)(3)(a)(i) or (A)(3)(b)(i), the permittee shall operate and maintain a temperature monitor and recorder that measures and records the temperature of the boiler exhaust gases entering the ESP during (a) all periods of start-up until the ESP is operational or until the inlet temperature of the ESP achieves the temperature level specified in OAC rule 3745-17-07(A)(3)(a)(i) and (b) all periods of shutdown until the inlet temperature of the ESP drops below the temperature level specified in OAC rule 3745-17-07(A)(3)(b)(i). An electronic or hardcopy record of the temperatures during periods of start-up and shutdown shall be maintained.

The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with manufacturer's recommendations, with any modifications deemed necessary by the permittee, and shall be capable of accurately measuring the temperature of the boiler exhaust gases in units of degrees Fahrenheit.

3. The permittee shall collect or require the coal supplier to collect a representative grab sample of each shipment of coal that is received for burning in this emissions unit. The permittee shall provide coal sampling and analysis in accordance with 40 CFR Part 60, Appendix A, Method 19. The permittee shall perform or require the supplier to perform the coal sampling in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. Pursuant to OAC rule 3745-18-04(D)(8)(d)(ii)*, the permittee shall collect one representative coal sample per day for analysis. The coal sample shall consist of at least 14 sample increments weighing a minimum of 2 pounds each.

Each 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 Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D5865, Gross Calorific Value of Coal and Coke, respectively. Alternative, equivalent methods may be used upon written approval by the Hamilton County Department of Environmental Services.

* The coal sampling requirements specified in OAC rule 3745-18-04(D)(8)(d)(ii) apply to this emissions unit under Ohio EPA premise number 1431394148 rather than 1431390903 due to a change in ownership.

For each shipment of coal received for burning in this emissions unit, the permittee shall maintain records of the total quantity of coal received and the permittee's or coal supplier's analyses for ash content, sulfur content, heat content, and the sulfur dioxide emission rate in pounds of sulfur dioxide per MMBtu of actual heat input. This calculation shall be performed according to methods specified in OAC rule 3745-18-04(F).

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

4. For each shipment of fuel 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).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294) or equivalent methods as approved by the Director.

IV. Reporting Requirements

1. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Hamilton County Department of Environmental Services 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 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) 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.

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 quarter.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during start-up and shutdown of the emissions unit when the ESP was not in operation and the temperature of the boiler exhaust gases exceeded the temperature levels specified in OAC rules 3745-17-07(A)(3)(a)(i) and 3745-17-07(A)(3)(b)(i).

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

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the allowable sulfur dioxide emission limitation specified in Section A.I.1 based the calculated sulfur dioxide emission rates from Section A.III above.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I, Section A.1.c.ii of the General Term and Conditions.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

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

Applicable Compliance Method:

The continuous opacity monitoring data required in Section A.III.1 may be used to demonstrate compliance with the allowable visible particulate emission limitation.

If required, compliance with this emission limitation 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:

When burning natural gas, particulate emissions shall not exceed 0.020 pound per MMBtu of actual heat input

Applicable Compliance Method:

Compliance with this emission limitation may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (0.408 MM cu. ft/hr at 1000 Btu/cubic foot) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 1.9 pounds of filterable particulate emissions per MM cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (450 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:

When burning coal or No. 6 fuel oil, particulate emissions shall not exceed 0.13 pound per MMBtu of actual heat input.

Applicable Compliance Method:

When burning No. 6 fuel oil, compliance with this emission limitation may be determined by multiplying the maximum hourly fuel oil capacity of the emissions unit (2700 gallons/hr at 150,000 Btu/gal) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 9/98) emission factor of $9.19(S) + 3.22$, in pounds of filterable particulate emissions per 1000 gallons, where "S" is the percent, by weight, sulfur content of the fuel oil, and then dividing by the maximum hourly heat input capacity of the emissions unit (450 MMBtu/hr).

Compliance with this emission limitation shall be demonstrated through the particulate emission testing required in A.V.2 below.

1.d Emission Limitation:

Sulfur dioxide emissions shall not exceed 2.0 pounds per MMBtu of actual heat input.

Applicable Compliance Method:

When burning coal or No. 6 fuel oil, compliance with this emission limitation may be demonstrated based upon the records required in Sections A.III.3 and A.III.4.

If required, the permittee shall demonstrate compliance with this emission limitation, while burning coal, in accordance with the procedures specified in OAC rule 3745-18-04(D)(7).

When burning natural gas, compliance with this emission limitation shall be assumed due to the negligible sulfur content of the fuel.

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements.
 - a. The emission testing shall be conducted within 6 months after the effective date of this permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate emission limitation while burning coal.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A.

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 Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. 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 Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services 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 emission tests shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services 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 Hamilton County Department of Environmental Services.

VI. Miscellaneous Requirements

1. 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 documenting the activities related to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler No. 5 (PB1), IG-10 (B043)
Activity Description: Steam production

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
245 MMBtu per hour No. 2 fuel oil and natural gas-fired boiler with low NOx burners.	OAC rule 3745-31-05(D) (PTI 14-05026)	Sulfur dioxide emissions shall not exceed 54.24 tons per rolling, 365-day period.
		Nitrogen oxides emissions shall not exceed 114.82 tons per rolling, 365-day period.
		Carbon monoxide emissions shall not exceed 112.68 tons per rolling, 365-day period.
		Organic compound emissions shall not exceed 5.37 tons per rolling, 365-day period.
		Particulate emissions shall not exceed 21.47 tons per rolling, 365-day period.
		Lead emissions shall not exceed 0.0015 ton per rolling, 365-day period.

Facility Name: **Cinergy Solutions of St. Bernard, LLC**

Facility ID: **14-31-39-4148**

Emissions Unit: **Boiler No. 5 (PB1), IG-10 (B043)**

**Operations, Property,
and/or Equipment**

**Applicable Rules/
Requirements**

**Applicable Emissions
Limitations/Control
Measures**

OAC rule 3745-31-05(A)(3)
(PTI 14-05026)

When burning No. 2 fuel oil, sulfur dioxide emissions shall not exceed 0.50 pound per MMBtu.

When burning natural gas, sulfur dioxide emissions shall not exceed 0.0006 pound per MMBtu.

When burning No. 2 fuel oil at a heat input rate greater than 61.25 MMBtu per hour, nitrogen oxides emissions shall not exceed 0.17 pound per MMBtu, as a daily average, based upon the emissions unit's actual operating hours each day.

When burning natural gas at a heat input rate greater than 61.25 MMBtu per hour, nitrogen oxides emissions shall not exceed 0.10 pound per MMBtu, as a daily average, based upon the emissions unit's actual operating hours each day.

When burning No. 2 fuel oil or natural gas at a heat input rate equal to or less than 61.25 MMBtu per hour, nitrogen oxides emissions shall not exceed 0.20 pound per MMBtu, as a daily average, based upon the emissions unit's actual operating hours each day.

When burning No. 2 fuel oil or natural gas at a heat input rate greater than 61.25 MMBtu per hour, carbon monoxide emissions shall not exceed 0.105 pound per MMBtu.

When burning No. 2 fuel oil or natural gas at a heat input rate equal to or less than 61.25 MMBtu per hour, carbon monoxide emissions shall not exceed 6.50 pounds per hour.

Facility Name: **Cinergy Solutions of St. Bernard, LLC**

Facility ID: **14-31-39-4148**

Emissions Unit: **Boiler No. 5 (PB1), IG-10 (B043)**

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
		<p>Organic compound emissions shall not exceed 0.005 pound per MMBtu.</p> <p>Particulate emissions shall not exceed 0.020 pound per MMBtu.</p> <p>When burning No. 2 fuel oil, lead emissions shall not exceed 0.000009 pound per MMBtu.</p> <p>When burning natural gas, lead emissions shall not exceed 0.0000005 pound per MMBtu.</p> <p>Compliance with this rule also includes compliance with the applicable provisions of 40 CFR Part 60, Subpart Db, OAC rule 3745-31-05(D), and OAC rule 3745-17-07(A) when burning natural gas.</p> <p>See Sections A.I.2.a, A.II.1, A.II.3, and A.II.4 below.</p>
	40 CFR Part 60, Subpart Db	<p>The sulfur dioxide and nitrogen oxides emission limitations specified by this rule are equivalent to or less stringent than the sulfur dioxide and nitrogen oxides emission limitations established pursuant to OAC rule 3745-31-05(A)(3).</p>
	OAC rule 3745-17-07(A)	<p>See Sections A.I.2.b, A.II.2, A.III.1, A.III.2, A.III.4, A.IV.1, A.IV.2, and A.IV.3 below.</p> <p>When burning natural gas, visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.</p>
	OAC rule 3745-17-10(B)(1)	<p>The pound per MMBtu particulate emission limitation specified by this rule is equivalent to the pound per MMBtu particulate emission limitation established pursuant to OAC rule 3745-31-05.</p>
	OAC rule 3745-18-06(D)	<p>The sulfur dioxide emission limitation specified by this rule is less stringent than the sulfur dioxide emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
	OAC rules 3745-21-08(B) and 3745-23-06(B)	<p>See Section A.I.2.c below.</p>

2. Additional Terms and Conditions

- 2.a** The best available technology determination established pursuant to OAC rule 3745-31-05(A)(3) shall be satisfied through compliance with the restricted hours of operation when burning No. 2 fuel oil, compliance with the specified emission limitations, and the use of low NOx burners.
- 2.b** When burning No. 2 fuel oil, visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity.
- 2.c** The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 14-05026.

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

The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 14-05026.

II. Operational Restrictions

- 1.** The permittee shall burn only natural gas and/or No. 2 fuel oil in this emissions unit.
- 2.** The quality of the No. 2 oil burned in this emissions unit shall have a combination of sulfur content and heat content sufficient to meet the sulfur dioxide emission limitation of 0.50 pound per MMBtu.
- 3.** The maximum hours of operation when burning No. 2 fuel oil in this emissions unit shall not exceed 876 hours per rolling, 365-day period.
- 4.** The permittee shall operate and maintain low NOx burners at all times when operating this emissions unit.

III. Monitoring and/or Record Keeping Requirements

- 1.** The permittee shall operate and maintain equipment to continuously monitor and record nitrogen oxides 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 and Part 75.

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 nitrogen oxides monitoring system has been certified in accordance with 40 CFR Part 60 and Part 75. 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 pound per MMBtu on a daily average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments. A separate daily average shall be calculated for each firing scenario (when burning No. 2 fuel oil at a heat input rate greater than 61.25 MMBtu per hour, when burning natural gas at a heat input rate greater than 61.25 MMBtu per hour, and when burning No. 2 fuel oil or natural gas at a heat input rate equal to or less than 61.25 MMBtu per hour) that occurs during the day. A new daily average emission rate is calculated each day that the emissions unit is in operation.

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

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, heat content and the calculated sulfur dioxide emission rate [the sulfur dioxide emission rate shall be calculated as specified in OAC rule 3745-18-04(F)]. A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier. The records shall also include certification from the fuel oil supplier that the oil meets the definition of "distillate oil" [see 40 CFR Parts 60.41b and 60.49b(r)].

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 for sulfur content and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Hamilton County Department of Environmental Services.

3. The permittee shall maintain daily records of the following information:
- a. total hours of operation when burning No. 2 fuel oil for each day;
 - b. the rolling, 365-day summation of the operating hours when burning No. 2 fuel oil;
 - c. the total sulfur dioxide emissions for each day, in pounds or tons;
 - d. the rolling, 365-day summation of the sulfur dioxide emissions, in tons;
 - e. the total nitrogen oxides emissions for each day, in pounds or tons;
 - f. the rolling, 365-day summation of the nitrogen oxides emissions, in tons;
 - g. the total carbon monoxide emissions for each day, in pounds or tons;
 - h. the rolling, 365-day summation of the carbon monoxide emissions, in tons;
 - i. the total organic compound emissions for each day, in pounds or tons;
 - j. the rolling, 365-day summation of the organic compound emissions, in tons;
 - k. the total particulate emissions for each day, in pounds or tons;
 - l. the rolling, 365-day summation of the particulate emissions, in tons;
 - m. the total lead emissions for each day, in pound(s) or ton(s);
 - n. the rolling, 365-day summation of the lead emissions, in ton(s);
 - o. the total quantity of No. 2 fuel oil, in gallons, and the total quantity of natural gas, in MM cubic feet, burned in this emissions unit;
 - p. the average hourly heat input for this emissions unit, in MMBtu per hour;
 - q. all time periods when a fuel other than natural gas and/or No. 2 fuel oil is burned in this emissions unit and a record of the type and quantity of fuel burned; and
 - r. all time periods when this emissions unit was in operation and the low NO_x burners were not in service.

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

4. For each day that this emissions unit burns No. 2 fuel oil, the permittee shall conduct, or have conducted, a one-hour visible particulate emission test in accordance with the following requirements:
 - a. the visible particulate emission test shall be conducted to demonstrate compliance with the visible particulate limitation specified in this permit;
 - b. the following test method shall be employed to demonstrate compliance with the visible particulate limitation: Method 9 as outlined in 40 CFR Part 60, Appendix A; and
 - c. the visible particulate emission test shall be conducted by a certified visible emission observer.

The permittee shall maintain records of each visible emission observation performed when No. 2 fuel oil is burned.

IV. Reporting Requirements

1. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Hamilton County Department of Environmental Services documenting the date, commencement and completion time, duration, magnitude, reason (if known), and corrective actions taken (if any), of all daily average nitrogen oxides values in excess of the applicable nitrogen oxides emission limitations (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.

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 quarter.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the allowable sulfur dioxide emission limitation specified in Section A.I.1 based the calculated sulfur dioxide emission rates from Section A.III above.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I, Section A.1.c.ii of the General Term and Conditions.

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. all exceedances of the pound per MMBtu emission limitations for sulfur dioxide, carbon monoxide, organic compounds, particulates, and lead;
 - b. all exceedances of the pound per hour emission limitation for carbon monoxide;
 - c. all exceedances of the rolling, 365-day hours of operation limitation when burning No. 2 fuel oil;
 - d. all exceedances of the rolling, 365-day emission limitations for sulfur dioxide, nitrogen oxides, carbon monoxide, organic compounds, particulates, and lead;
 - e. all time periods when a fuel other than natural gas and/or No. 2 fuel oil is burned in this emissions unit and a record of the type and quantity of fuel burned;
 - f. all time periods when this emissions unit was in operation and the low NOx burners were not in service; and
 - g. each day during which No. 2 fuel oil was burned in this emissions unit and a one-hour visible particulate emission test was not performed.

The quarterly deviation reports shall be submitted in accordance with Section A.1.c.ii of the General Terms and Conditions.

V. Testing Requirements

1. Compliance with the emission limitations specified in this permit shall be determined in accordance with the following methods:
2. Emission Limitations:
When burning No. 2 fuel oil, visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity.

When burning natural gas, visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity as a 6-minute average, except as provided by OAC rule 3745-17-07.

Applicable Compliance Methods:

When burning No. 2 fuel oil, compliance may be demonstrated based upon the records required pursuant to Section A.III.

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

If required, when burning natural gas, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

3. Emission Limitations:

When burning No. 2 fuel oil, sulfur dioxide emissions shall not exceed 0.50 pound per MMBtu.

When burning natural gas, sulfur dioxide emissions shall not exceed 0.0006 pound per MMBtu.

Applicable Compliance Methods:

When burning No. 2 fuel oil, compliance with the allowable sulfur dioxide emission limitation may be demonstrated through the records required pursuant to Section A.III.

When burning natural gas, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (0.245 MM cu. ft./hr at 1000 Btu/cu. ft) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.6 lb of sulfur dioxide per MM standard cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (245 MMBtu/hr).

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

4. Emission Limitation:

Particulate emissions shall not exceed 0.020 pound per MMBtu.

Applicable Compliance Methods:

When firing No. 2 fuel oil, compliance may be determined by multiplying an emission factor of 2.0 pounds of particulate emissions per 1000 gallons of oil burned by the emissions unit's maximum hourly fuel oil burning capacity (1750 gallons/hr at 140,000 Btu/gal) and dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98).

When firing natural gas, compliance may be determined by multiplying an emission factor of 1.9 pounds of particulate emissions per MM standard cubic feet by the emissions unit's maximum hourly natural gas burning capacity (0.245 MM cu. ft./hr at 1000 Btu/cu. ft) and dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

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 while firing No. 2 fuel oil.

5. Emission Limitations:

When burning No. 2 fuel oil at a heat input rate greater than 61.25 MMBtu per hour, nitrogen oxides emissions shall not exceed 0.17 pound per MMBtu as a daily average.

When burning natural gas at a heat input rate greater than 61.25 MMBtu per hour, nitrogen oxides emissions shall not exceed 0.10 pound per MMBtu as a daily average.

When burning No. 2 fuel oil or natural gas at a heat input rate equal to or less than 61.25 MMBtu per hour, nitrogen oxides emissions shall not exceed 0.20 pound per MMBtu as a daily average.

Applicable Compliance Method:

Compliance with the nitrogen oxides emission limitations shall be demonstrated through the records required pursuant to Section A.III.

V. Testing Requirements (continued)

6. Emission Limitations:

When burning No. 2 fuel oil or natural gas at a heat input rate greater than 61.25 MMBtu per hour, carbon monoxide emissions shall not exceed 0.105 pound per MMBtu.

When burning No. 2 fuel oil or natural gas at a heat input rate equal to or less than 61.25 MMBtu per hour, carbon monoxide emissions shall not exceed 6.50 pounds per hour.

Applicable Compliance Methods:

When burning No. 2 fuel oil at a heat input rate greater than 61.25 MMBtu per hour, compliance may be determined by multiplying the emissions unit's maximum hourly fuel oil burning capacity (1750 gallons/hr at 140,000 Btu/gal) by the permittee-supplied emission factor of 14.7 pounds of carbon monoxide per 1000 gallons burned, and then dividing by the emission unit's rated heat input capacity (245 MMBtu/hr).

When burning natural gas at a heat input rate greater than 61.25 MMBtu per hour, compliance may be determined by multiplying the emissions unit's maximum hourly natural gas burning capacity (0.245 MM cu. ft/hr at 1000 Btu/cu. ft) by the permittee-supplied emission factor of 105 pounds of carbon monoxide per MM cubic feet, and then dividing by the emission unit's rated heat input capacity (245 MMBtu/hr).

When burning No. 2 fuel oil or natural gas at a heat input rate equal to or less than 61.25 MMBtu per hour, compliance may be determined by multiplying the permittee-supplied emission factor of 0.105 pound per MMBtu, by the emissions unit's restricted heat input capacity (61.25 MMBtu/hr).

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

7. Emission Limitation:

Organic compound emissions shall not exceed 0.005 pound per MMBtu.

Applicable Compliance Methods:

When burning No. 2 fuel oil, compliance with this emission limitation may be determined by multiplying the emissions unit's maximum hourly fuel oil burning capacity (1750 gallons/hr at 140,000 Btu/gal) by the permittee-supplied emission factor of 0.7 pound of organic compounds per 1000 gallons burned, and then dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr).

When burning natural gas, compliance with this emission limitation may be determined by multiplying the emissions unit's maximum hourly natural gas burning capacity (0.245 MM cu.ft/hr at 1000 Btu/cu. ft) by the permittee-supplied emission factor of 5.0 pounds of organic compounds per MM cubic feet, and then dividing by the emissions unit's rated heat input capacity (245 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)

8. Emission Limitations:

When burning No. 2 fuel oil, lead emissions shall not exceed 0.000009 pound per MMBtu.

When burning natural gas, lead emissions shall not exceed 0.0000005 pound per MMBtu.

Applicable Compliance Methods:

When burning No. 2 fuel oil, compliance may be determined by multiplying an emission factor of 9.0 pounds of lead per 1E-12Btu of heat input by the emissions unit's rated heat input capacity (245 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-10 (9/98).

When burning natural gas, compliance may be determined by multiplying the emissions unit's maximum hourly natural gas burning capacity (0.245 MM cu.ft/hr at 1000 Btu/gal) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.0005 pound of lead per MM cubic feet of natural gas, and then dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr).

If required, the permittee shall demonstrate compliance with these emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 12.

9. Emission Limitations:

Sulfur dioxide emissions shall not exceed 54.24 tons per rolling, 365-day period.

Nitrogen oxides emissions shall not exceed 114.82 tons per rolling, 365-day period.

Carbon monoxide emissions shall not exceed 112.68 tons per rolling, 365-day period.

Organic compound emissions shall not exceed 5.37 tons per rolling, 365-day period.

Particulate emissions shall not exceed 21.47 tons per rolling, 365-day period.

Lead emissions shall not exceed 0.0015 ton per rolling, 365-day period.

Applicable Compliance Method:

Compliance with the rolling, 365-day emission limitations shall be demonstrated based upon the records required pursuant to Section A.III.

VI. Miscellaneous Requirements

1. 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. The quality assurance/quality control plan and a logbook documenting the activities related to the continuous NOx monitoring system must be kept on site and available for inspection during regular office hours.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
245 MMBtu per hour No. 2 fuel oil and natural gas-fired boiler with low NOx burners.		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The permit to install for this emissions unit (B043) 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 Ground-Level Concentration (MAGLC).

The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Hexane
 TLV (ug/m3): 176,000
 Maximum Hourly Emission Rate (lbs/hr): 0.44
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 4.8
 MAGLC (ug/m3): 4190

Physical changes to or in the method of operation of the emissions unit after it's installation or modification could affect the parameters used to determine whether or not the "Air Toxics 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 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 the "Air Toxic Policy" include the following:

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

- 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.).

If the permittee determines that the "Air Toxic Policy" will be satisfied with 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 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. when the 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: Temporary Boiler (B044)
Activity Description: Portable Boiler for Back-up Steam Production

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Temporary 83 MMBtu per hour natural gas-fired boiler with low NOx burner.	OAC rule 3745-31-05(A)(3) (PTI 14-05447)	Nitrogen oxides emissions shall not exceed 0.10 pound per MMBtu and 5.28 tons per year.
		Sulfur dioxide emissions shall not exceed 0.0006 pound per MMBtu and 0.03 ton per year.
		Carbon monoxide emissions shall not exceed 0.084 pound per MMBtu and 4.43 tons per year.
		Organic compound emissions shall not exceed 0.011 pound per MMBtu and 0.58 ton per year.
		Particulate emissions shall not exceed 0.0076 pound per MMBtu and 0.40 ton per year.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and 40 CFR Part 60, Subpart Dc.
	OAC rule 3745-17-07(A)	See Sections A.I.2.a and A.I.2.b below.
		Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
	OAC rule 3745-17-10(B)(1)	The particulate emission limitation specified by this rule is less stringent than the particulate emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	40 CFR Part 60, Subpart Dc	See Section A.III.2 below.

2. Additional Terms and Conditions

- 2.a The pound per MMBtu and annual emission limitation reflect the emissions unit's restricted potential to emit. Therefore, no additional monitoring, record keeping, or reporting requirements are necessary to ensure compliance with these emission limitations.
- 2.b The best available technology determination established pursuant to OAC rule 3745-31-05(A)(3) shall be satisfied through compliance with the specified emission limitations, compliance with the restricted hour of operation, the use of natural gas as the fuel, and the use of low NOx burners.

II. Operational Restrictions

- 1. This emissions unit shall utilize only natural gas as fuel.
- 2. This emissions unit shall not be operated for more than a total of 1272 hours.
- 3. The authorization to operate this emissions unit expires on December 31, 2003.

III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall maintain records of the following information for each day:
 - a. the total number of hours the emissions unit was in operation;
 - b. the total amount of natural gas burned, in cubic feet; and
 - c. all time periods when a fuel other than natural gas is burned in this emissions unit and a record of the type and quantity of fuel burned.

IV. Reporting Requirements

- 1. The permittee shall submit a report to the Hamilton County Department of Environmental Services that documents the following:
 - a. any exceedance (deviation) of the operating hours restriction; and
 - b. each day when a fuel other than natural gas was burned in this emissions unit.

The report shall be submitted by January 30, 2004.

V. Testing Requirements

1. Emission Limitations:
Nitrogen oxides emissions shall not exceed 0.10 pound per MMBtu and 5.28 tons per year.

Applicable Compliance Methods:

Compliance with the pound per MMBtu emission limitation may be determined by multiplying an emission factor of 50 pounds of nitrogen oxides per MM standard cubic feet by the emissions unit's maximum hourly natural gas burning capacity (0.083 MM cu. ft./hr at 1000 Btu/cu. ft) and dividing by the emissions unit's rated heat input capacity (83 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (2/98).

The annual emission limitation was established by multiplying the pound per MMBtu emission limitation by emissions unit's rated heat input capacity and by the emissions unit's restricted hours operation and dividing by 2000 pounds per ton. Therefore, provided that the permittee complies with the pound per MMBtu emission limitation and the restricted hours of operation, compliance with the annual emission limitation will also be demonstrated.

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

2. Emission Limitations:
Sulfur dioxide emissions shall not exceed 0.0006 pound per MMBtu and 0.03 ton per year.

Applicable Compliance Methods:

Compliance with the pound per MMBtu emission limitation may be determined by multiplying an emission factor of 0.6 pound of sulfur dioxide per MM standard cubic feet by the emissions unit's maximum hourly natural gas burning capacity (0.083 MM cu. ft./hr at 1000 Btu/cu. ft) and dividing by the emissions unit's rated heat input capacity (83 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

The annual emission limitation was established by multiplying the pound per MMBtu emission limitation by emissions unit's rated heat input capacity and by the emissions unit's restricted hours operation and dividing by 2000 pounds per ton. Therefore, provided that the permittee complies with the pound per MMBtu emission limitation and the restricted hours of operation, compliance with the annual emission limitation will also be demonstrated.

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

3. Emission Limitations:
Carbon monoxide emissions shall not exceed 0.084 pound per MMBtu and 4.43 tons per year.

Applicable Compliance Methods:

Compliance with the pound per MMBtu emission limitation may be determined by multiplying an emission factor of 84 pounds of carbon monoxide per MM standard cubic feet by the emissions unit's maximum hourly natural gas burning capacity (0.083 MM cu. ft./hr at 1000 Btu/cu. ft) and dividing by the emissions unit's rated heat input capacity (83 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (2/98).

The annual emission limitation was established by multiplying the pound per MMBtu emission limitation by emissions unit's rated heat input capacity and by the emissions unit's restricted hours operation and dividing by 2000 pounds per ton. Therefore, provided that the permittee complies with the pound per MMBtu emission limitation and the restricted hours of operation, compliance with the annual emission limitation will also be demonstrated.

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

V. Testing Requirements (continued)

4. Emission Limitations:
Organic compound emissions shall not exceed 0.011 pound per MMBtu and 0.58 ton per year.

Applicable Compliance Methods:

Compliance with the pound per MMBtu emission limitation may be determined by multiplying an emission factor of 11 pounds of organic compounds per MM standard cubic feet by the emissions unit's maximum hourly natural gas burning capacity (0.083 MM cu. ft./hr at 1000 Btu/cu. ft) and dividing by the emissions unit's rated heat input capacity (83 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

The annual emission limitation was established by multiplying the pound per MMBtu emission limitation by emissions unit's rated heat input capacity and by the emissions unit's restricted hours operation and dividing by 2000 pounds per ton. Therefore, provided that the permittee complies with the pound per MMBtu emission limitation and the restricted hours of operation, compliance with the annual emission limitation will also be demonstrated.

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

5. Emission Limitations:
Particulate emissions shall not exceed 0.0076 pound per MMBtu and 0.40 ton per year.

Applicable Compliance Methods:

Compliance with the pound per MMBtu emission limitation may be determined by multiplying an emission factor of 7.6 pounds of particulate emissions per MM standard cubic feet by the emissions unit's maximum hourly natural gas burning capacity (0.083 MM cu. ft./hr at 1000 Btu/cu. ft) and dividing by the emissions unit's rated heat input capacity (83 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

The annual emission limitation was established by multiplying the pound per MMBtu emission limitation by emissions unit's rated heat input capacity and by the emissions unit's restricted hours operation and dividing by 2000 pounds per ton. Therefore, provided that the permittee complies with the pound per MMBtu emission limitation and the restricted hours of operation, compliance with the annual emission limitation will also be demonstrated.

If required, the permittee shall demonstrate compliance with the pound per MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

6. Emission Limitation:
Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation 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).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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