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

08/10/05

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

02-47-10-0320
Oberlin Municipal Light & Power System
Steven R. Dupee
289 South Professor Street
Oberlin, OH 44074

Dear Steven R. Dupee:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully.

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

If you have any questions, please contact Northeast District Office.

Sincerely,

Michael W. Ahern

Michael W. Ahern
Permit Issuance and Data Management Section
Division of Air Pollution Control

cc: Northeast District Office
File, DAPC PMU

State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: **08/10/05**	Effective Date: **08/31/05**	Expiration Date: **08/31/10**

This document constitutes issuance of a Title V permit for Facility ID: 02-47-10-0320 to:
Oberlin Municipal Light & Power System
289 South Professor Street
Oberlin, OH 44074

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

B001 (Engine No. 1)
1600 BHP (Possible 20% Upgrade in the Future)
Fairbanks-Morse Diesel Engine Used to Generate Electricity

B003 (Engine No. 5)
2800 BHP (Possible 20% Upgrade in the Future)
Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

B004 (Engine No. 6)
3500 BHP (Possible 20% Upgrade in the Future)
Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

B005 (Engine No. 7)
3710 BHP (Possible 20% Upgrade in the Future)
Cooper-Bessemer Dual Fuel Engine Used to Generate Electricity

B006 (Engine No. 8)
4200 BHP (Possible 20% Upgrade in the Future)
Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

B008 (Engine No. 4)
2964 BHP Waukesha Natural Gas Engine Used to Generate Electricity

B009 (Engine No. 2)
4410 BHP Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

B010 (Engine No. 3)
4410 BHP Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

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 3745-77-08(E) 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:

Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330) 425-9171

Ohio Environmental Protection Agency

Joseph P. Koncelik
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 (i.e., postmarked) 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 reportable under OAC rule 3745-15-06(B) 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 (i.e., postmarked) 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 deviation reports shall satisfy the requirements 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. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

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 satisfies 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 (for the deviations so reported) the requirements 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:**

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; General Terms and Conditions: A.2, A.3, A.4, A.6.e, A.7, A.12, A.14, A.18, A.19, A.20, and A.22 of Part I of this Title V permit, as well as any deviations from the requirements in Section A.V or A.VI of Part III of this Title V permit**,** and any 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 (i.e., postmarked) 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. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in Part II.A of this Title V

permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

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 and 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) and OAC rule 3745-77-07(A)(13)(b))

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.

f. Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable upon final issuance of all applicable OAC Chapter 3745-35 operating permits and/or registrations for all subject emissions units located at the facility and:

i. the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a “major source” as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

ii. the permittee no longer meets the definition of a “major source” as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

iii. a combination of i. and ii. above.

The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.
(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(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 (i.e., postmarked) on or before April 30th of each year during the permit term.

ii. Compliance certifications shall include the following:

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

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

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

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

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

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

13. Permit Shield

a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

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

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

14. Operational Flexibility

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

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

15. Emergencies

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

16. Off-Permit Changes

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

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

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

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

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

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

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

Each IEU 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 from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which 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 Title V permit 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.
(Authority for term: OAC rule 3745-77-01)

22. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

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 (i.e., postmarked) quarterly, 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 <u>Federally Enforceable</u> 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 (i.e., postmarked) 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; or

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; or

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 Enforceable Section

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

T007: 15,000-gallon diesel fuel storage tank (PTI No. 02-14036); and
T008: 15,000-gallon diesel fuel storage tank (PTI No. 02-14036).

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within 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 applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

B. State Only Enforceable Section

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements (as defined in OAC rule 3745-77-01(H)) or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

Z002: 2,000-gallon waste oil tank for Engine No. 7;
Z003: 1,000-gallon day tank for Engine No. 6;
Z004: 1,100-gallon lube oil tank for Engine No. 7;
Z005: 930-gallon lube oil tank for Engine No. 5;
Z006: 2,000-gallon waste oil storage tank (in outside bulk storage area); and
Z008: 2,000-gallon diesel fuel storage tank for fleet vehicles.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Engine No. 1 (B001)

Activity Description: 1600 BHP (Possible 20% Upgrade in the Future) Fairbanks-Morse Diesel Engine Used to Generate Electricity

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Fairbanks-Morse, 1600 BHP, 14.0 mmBtu/hr, number two fuel oil-fired internal combustion engine/1136 KW generator set (Engine #1) (B001)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input. See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input. See A.I.2.b below.
	OAC rule 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

2. Additional Terms and Conditions

2.a The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

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

II. Operational Restrictions

1. The permittee shall burn only number two fuel oil in this emissions unit.

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

II. Operational Restrictions (continued)

2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.

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

III. Monitoring and/or Record Keeping Requirements

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

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) 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 (the Ohio EPA, Northeast District Office).

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

IV. Reporting Requirements

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

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

2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northeast District Office) within 45 days after the deviation occurs.

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

V. Testing Requirements

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

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

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:
Compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.c Emission Limitation:
Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:
Compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.d Emission Limitation:
Sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

Applicable Compliance Method:
Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

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

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(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.

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Engine No. 5 (B003)

Activity Description: 2800 BHP (Possible 20% Upgrade in the Future) Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Fairbanks-Morse, 2800 BHP, 23.0 mmBtu/hr, number two fuel oil/natural gas dual fuel-fired internal combustion engine/2000KW generator set (Engine #5) (B003)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input. See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input. See A.I.2.b below.
	OAC rule 3745-18-06(G)	When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input. When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

2. Additional Terms and Conditions

2.a The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

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

II. Operational Restrictions

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

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

2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.

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

III. Monitoring and/or Record Keeping Requirements

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

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) 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.

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

IV. Reporting Requirements

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

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

2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northeast District Office) within 45 days after the deviation occurs.

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

V. Testing Requirements

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

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

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.c Emission Limitation:
Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.d Emission Limitation:
When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

Applicable Compliance Method:
Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

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

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(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.

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Engine No. 6 (B004)

Activity Description: 3500 BHP (Possible 20% Upgrade in the Future) Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Fairbanks-Morse, 3500 BHP, 25.5 mmBtu/hr, number two fuel oil/natural gas dual fuel-fired internal combustion engine/2500KW generator set (Engine #6) (B004)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input. See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input. See A.I.2.b below.
	OAC rule 3745-18-06(G)	When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input. When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

2. Additional Terms and Conditions

2.a The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

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

II. Operational Restrictions

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

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

2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.

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

III. Monitoring and/or Record Keeping Requirements

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

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) 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.

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

IV. Reporting Requirements

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

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

2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northeast District Office) within 45 days after the deviation occurs.

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

V. Testing Requirements

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

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

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.c Emission Limitation:
Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.d Emission Limitation:
When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

Applicable Compliance Method:
Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

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

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(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.

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Engine No. 7 (B005)

Activity Description: 3710 BHP (Possible 20% Upgrade in the Future) Cooper-Bessemer Dual Fuel Engine Used to Generate Electricity

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Cooper-Bessemer, 3710 BHP, 30.5 mmBtu/hr, number two fuel oil/natural gas dual fuel-fired internal combustion engine/2650KW generator set (Engine #7) (B005)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input. See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input. See A.I.2.b below.
	OAC rule 3745-18-06(G)	When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input. When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

2. Additional Terms and Conditions

2.a The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

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

II. Operational Restrictions

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

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

2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.

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

III. Monitoring and/or Record Keeping Requirements

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

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) 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.

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

IV. Reporting Requirements

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

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

2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northeast District Office) within 45 days after the deviation occurs.

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

V. Testing Requirements

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

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

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.c Emission Limitation:
Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.d Emission Limitation:
When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

Applicable Compliance Method:
Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

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

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(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.

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Engine No. 8 (B006)

Activity Description: 4200 BHP (Possible 20% Upgrade in the Future) Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Fairbanks-Morse, 4200 BHP, 33.6 mmBtu/hr, number two fuel oil/natural gas dual fuel-fired internal combustion engine/3000KW generator set (Engine #8) (B006)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input. See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input. See A.I.2.b below.
	OAC rule 3745-18-06(G)	When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input. When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

2. Additional Terms and Conditions

2.a The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

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

II. Operational Restrictions

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

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

2. The quality of the oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 lb/mmBtu actual heat input.

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

III. Monitoring and/or Record Keeping Requirements

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

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) 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.

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

IV. Reporting Requirements

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

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

2. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northeast District Office) within 45 days after the deviation occurs.

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

V. Testing Requirements

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

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

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with the method and procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:
Particulate emissions shall not exceed 0.35 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.c Emission Limitation:
Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.

Applicable Compliance Method:
When burning number two fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

When burning natural gas, compliance may be based upon an emission factor of 0.0384 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (7/00).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.d Emission Limitation:
When burning number two fuel oil, sulfur dioxide emissions shall not exceed 0.5 lb/mmBtu actual heat input.

When burning natural gas, this emissions unit is exempt from the emission limitation specified in this rule pursuant to OAC rule 3745-18-06(A).

Applicable Compliance Method:
Compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

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

(Authority for term: OAC rules 3745-18-04(E) and 3745-77-07(C)(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.

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Engine No. 4 (B008)

Activity Description: 2964 BHP Waukesha Natural Gas Engine Used to Generate Electricity

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Waukesha, 2964 BHP, 19.6 mmBtu/hr, natural gas-fired, spark-ignited, internal combustion, 4-cycle, lean-burn engine/2100KW generator set (Engine #4) (B008)	OAC rule 3745-31-05(A)(3) (PTI No. 02-9564)	See A.I.2.a through A.I.2.e below.
	OAC rule 3745-17-07(A)	The visible particulate emission limitations specified by this rule are less stringent than the visible particulate emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(5)(b)	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).
	OAC rule 3745-18-06(G)	This emissions unit is exempt from the emission limitation specified by this rule pursuant to OAC rule 3745-18-06(A).
	OAC rule 3745-21-08(B)	See A.I.2.f below.
	OAC rule 3745-23-06(B)	See A.I.2.f below.

2. Additional Terms and Conditions

2.a Nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 1.5 grams per horsepower-hour (gr./HP-HR) or 9.8 pounds per hour (lbs/hr).

2.b Particulate emissions from this emissions unit shall not exceed 0.13 gr./HP-HR or 0.85 lb/hr.

2.c Carbon monoxide (CO) emissions from this emissions unit shall not exceed 1.85 gr./HP-HR or 12.09 lbs/hr.

2.d Sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 0.10 gr./HP-HR or 0.65 lb/hr.

2. Additional Terms and Conditions (continued)

2.e Visible particulate emissions from the stack serving this emissions unit shall not exceed ten (10) percent opacity, as a six-minute average, more than once per any sixty-minute period.

2.f 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 02-9564.

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 02-9564.

II. Operational Restrictions

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

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

2. The total annual operating hours for this emissions unit shall not exceed 7,000 hours per rolling, 365-day period.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

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

a. the date and time of each start-up and shutdown of this emissions unit;

b. the total hours of operation of this emissions unit; and

c. the rolling, 365-day summation of the total hours of operation of this emissions unit.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

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

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

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Northeast District Office) in writing of any record which shows a deviation of the operational restriction listed in section A.II. above. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northeast District Office) within 45 days after the deviation occurs.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

2. The permittee shall submit an annual report that provides a summary of the total monthly and annual hours of operation of this emissions unit. This report shall be submitted by February 15 of each year for operations data recorded during the previous calendar year.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

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

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

V. Testing Requirements

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

1.a Emission Limitation:
NOx emissions from this emissions unit shall not exceed 1.5 gr./HP-HR or 9.8 lbs/hr.

Applicable Compliance Method:
Compliance with this emission limitation may be based upon the emission factor specified in the application for PTI No. 02-9564 or the emission factor and emission rate calculations from the most recent emission tests that demonstrated that the emissions unit was in compliance.

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

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

1.b Emission Limitation:
Particulate emissions from this emissions unit shall not exceed 0.13 gr./HP-HR or 0.85 lb/hr.

Applicable Compliance Method:
Compliance with this emission limitation may be based upon the emission factor specified in the application for PTI No. 02-9564.

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

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

1.c Emission Limitation:
SO2 emissions from this emissions unit shall not exceed 0.10 gr./HP-HR or 0.65 lb/hr.

Applicable Compliance Method:
Compliance with this emission limitation may be based upon the emission factor specified in the application for PTI No. 02-9564.

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

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

1.d Emission Limitation:
CO emissions from this emissions unit shall not exceed 1.85 gr./HP-HR or 12.09 lbs/hr.

Applicable Compliance Method:
Compliance with this emission limitation may be based upon the emission factor specified in the application for PTI No. 02-9564 or the emission factor and emission rate calculations from the most recent emission tests that demonstrated that the emissions unit was in compliance.

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

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

V. Testing Requirements (continued)

1.e. Emission Limitation:
Visible particulate emissions from the stack serving this emissions unit shall not exceed ten (10) percent opacity, as a six-minute average, more than once per any sixty-minute period.

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with 40 CFR part 60, Appendix A, Methods 9.

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Engine No. 2 (B009)

Activity Description: 4410 BHP Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Fairbanks-Morse, 4,410 BHP, 28.67 mmBtu/hr heat input, number two fuel oil/natural gas dual fuel-fired internal combustion engine generator set (Engine #2).	OAC rule 3745-31-05(A)(3) (PTI No. 02-14231)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 1.56 lbs/hr. SO2 emissions from emissions units B009 and B010, combined, shall not exceed 3.4 tons/yr. Nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 58.33 lbs/hr. Carbon monoxide (CO) emissions from this emissions unit shall not exceed 33.06 lbs/hr. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 7.78 lbs/hr. Particulate emissions from emissions units B009 and B010, combined, shall not exceed 3.9 tons/yr. Compliance with this rule also includes compliance with OAC rules 3745-17-11(B)(5)(b) and 3745-31-05(C).

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-07(A)	The emission limitations specified by this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06(G)	The emission limitation specified by this rule is less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu, actual heat input. See A.I.2.c below.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input. See A.I.2.d below.
	OAC rule 3745-31-05(C)	See A.I.2.a and A.II.1 through A.II.3 below.
	OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.e below.

2. Additional Terms and Conditions

2.a The combined, annual NOx, CO, and VOC emissions from emissions units B009 and B010 shall not exceed the following emission limitations:

NOx - 31.7 tons per rolling, 12-month period;
CO - 71.9 tons per rolling, 12-month period; and
VOC - 17.0 tons per rolling, 12-month period.

2.b Dual fuel is defined as co-firing 95% natural gas and 5% number two fuel oil.

2.c The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

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

2. Additional Terms and Conditions (continued)

2.e 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 02-14231.

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 02-14231.

II. Operational Restrictions

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

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

2. When dual fuel firing, the total annual operating hours for emissions units B009 and B010, combined, shall not exceed 4,348 hours per rolling, 12-month period.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

3. When firing only number two fuel oil, the total annual operating hours for emissions units B009 and B010, combined, shall not exceed 1,086 hours per rolling, 12-month period.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

4. The quality of the number two fuel oil fired in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.56 lbs/hr.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

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

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

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

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

a. the total operating hours for emissions units B009 and B010, combined, when dual fuel firing;

b. the total operating hours for emissions units B009 and B010, combined, when firing number two fuel oil;

c. the total operating hours for emissions units B009 and B010, combined (i.e., the summation of the values from (a) and (b));

d. the rolling, 12-month summation of the total operating hours for emissions units B009 and B010, combined, when dual fuel firing;

e. the rolling, 12-month summation of the total operating hours for emissions units B009 and B010, combined, when firing number two fuel oil;

f. the NOx emissions from emissions units B009 and B010, combined, when dual fuel firing, in tons (i.e., the value from (a) multiplied by the manufacturer-supplied worst case dual fuel NOx emission rate (14.58 lbs/hr) by 1 ton/2000 lbs);

g. the NOx emissions from emissions units B009 and B010, combined, when firing number two fuel oil, in tons (i.e., the value from (b) multiplied by the average NOx emission rate from the most recent compliance demonstration (31.5 lbs/hr) by 1 ton/2000 lbs);

h. the total NOx emissions from emissions units B009 and B010, combined, in pounds or tons (i.e., the summation of the values from (f) and (g));

i. the rolling, 12-month summation of the NOx emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (h) plus the NOx emissions from emissions units B009 and B010 for the previous 11 months);

j. the total CO emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case CO emission rate (33.06 lbs/hr) by 1 ton/2000 lbs);

k. the rolling, 12-month summation of the CO emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (j) plus the CO emissions from emissions units B009 and B010 for the previous 11 months);

l. the total VOC emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case VOC emission rate (7.78 lbs/hr) by 1 ton/2000 lbs);

m. the rolling, 12-month summation of the VOC emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (l) plus the VOC emissions from emissions units B009 and B010 for the previous 11 months);

n. the total SO2 emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case SO2 emission rate (1.56 lbs/hr) by 1 ton/2000 lbs); and

o. the total particulate emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by [the applicable AP-42 emission factor (0.062 lb/mmBtu) by the emissions unit's maximum rated heat input capacity (28.67 mmBtu/hr)] by 1 ton/2000 lbs).

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

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

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/hr). 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.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

IV. Reporting Requirements

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

a. any exceedance of the rolling, 12-month operating hour limitations specified in section A.II;

b. any exceedance of the rolling, 12-month emission limitations for NOx, CO, and/or VOC;

c. any exceedance of the hourly SO2 emission limitation based upon the calculated emission rates from section A.III; and

d. each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil in this emissions unit.

Each report shall be submitted to the Ohio EPA, Northeast District Office within 45 days after the deviation occurs.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

2. The permittee shall also submit annual reports that specify the total SO2 and particulate emissions from emissions units B009 and B010, combined, for the previous calendar year. The reports shall be submitted to the Ohio EPA, Northeast District Office by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for these emissions units in the annual Fee Emission Report.

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

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitations:

SO2 emissions from this emissions unit shall not exceed 1.56 lbs/hr. SO2 emissions from emissions units B009 and B010, combined, shall not exceed 3.4 tons/yr.

Applicable Compliance Methods:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 1.56 lbs/hr.

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

The annual emission limitation was established by multiplying the hourly emission limitation (1.56 lbs/hr) by the maximum restricted hours of operation for emissions units B009 and B010, combined, (4,348 hrs/yr) by 1 ton/2,000 lbs. Therefore, provided compliance is demonstrated with the hourly emission limitation and the operting hour limitations, compliance with the annual emission limitation will also be demonstrated.

Compliance with the annual emission limitation may also be demonstrated based upon the records required pursuant to section A.III.

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

1.b Emission Limitation:

CO emissions from this emissions unit shall not exceed 33.06 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 33.06 lbs/hr.

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

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

1.c Emission Limitation:

NOx emissions from this emissions unit shall not exceed 58.33 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 58.33 lbs/hr or the average results from the most recent emission tests that demonstrated that emissions units B009 and B010 were in compliance (31.5 lbs/hr when firing number two fuel oil).

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 or 7E while firing number two fuel oil.

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

V. Testing Requirements (continued)

1.d Emission Limitation:

VOC emissions from this emissions unit shall not exceed 7.78 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 7.78 lbs/hr.

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

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

1.e Emission Limitation:

Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input.

Applicable Compliance Method:

Compliance with the lb/mmBtu emission limitation may be based upon the applicable emission factor specified in AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, section 3.2, table 3.4-2 (.062 lb of filterable particulate matter per mmBtu actual heat input).

If required, the permittee shall demonstrate compliance with the lb/mmBtu emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.f Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

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

1.g Emission Limitation:

Particulate emissions from emissions units B009 and B010, combined, shall not exceed 3.9 tons/yr.

Applicable Compliance Method:

The annual emission limitation was established by multiplying the allowable lb/mmBtu particulate emission limitation (0.062 lb/mmBtu) by the maximum heat input capacity of each emissions unit (28.67 mmBtu/hr) by the maximum restricted hours of operation for emissions units B009 and B010, combined, (4,348 hrs/yr) by 1 ton/2,000 lbs. Therefore, provided compliance is demonstrated with the hourly emission limitation and the operting hour limitations, compliance with the annual emission limitation will also be demonstrated.

Compliance with the annual emission limitation may also be demonstrated based upon the records required pursuant to section A.III.

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

V. Testing Requirements (continued)

1.h Emission Limitations:

The combined, annual NOx, CO, and VOC emissions from emissions units B009 and B010 shall not exceed the following emission limitations:

NOx - 31.7 tons per rolling, 12-month period;
CO - 71.9 tons per rolling, 12-month period; and
VOC - 17.0 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the rolling, 12-monthl emission limitations shall be demonstrated based upon the records required pursuant to section A.III.

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Engine No. 3 (B010)

Activity Description: 4410 BHP Fairbanks-Morse Dual Fuel Engine Used to Generate Electricity

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Fairbanks-Morse, 4,410 BHP, 28.67 mmBtu/hr heat input, number two fuel oil/natural gas dual fuel-fired internal combustion engine generator set (Engine #3).	OAC rule 3745-31-05(A)(3) (PTI No. 02-14231)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 1.56 lbs/hr. SO2 emissions from emissions units B009 and B010, combined, shall not exceed 3.4 tons/yr. Nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 58.33 lbs/hr. Carbon monoxide (CO) emissions from this emissions unit shall not exceed 33.06 lbs/hr. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 7.78 lbs/hr. Particulate emissions from emissions units B009 and B010, combined, shall not exceed 3.9 tons/yr. Compliance with this rule also includes compliance with OAC rules 3745-17-11(B)(5)(b) and 3745-31-05(C).

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-07(A)	The emission limitations specified by this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06(G)	The emission limitation specified by this rule is less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.35 lb/mmBtu, actual heat input. See A.I.2.c below.
	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input. See A.I.2.d below.
	OAC rule 3745-31-05(C)	See A.I.2.a and A.II.1 through A.II.3 below.
	OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.e below.

2. Additional Terms and Conditions

2.a The combined, annual NOx, CO, and VOC emissions from emissions units B009 and B010 shall not exceed the following emission limitations:

NOx - 31.7 tons per rolling, 12-month period;
CO - 71.9 tons per rolling, 12-month period; and
VOC - 17.0 tons per rolling, 12-month period.

2.b Dual fuel is defined as co-firing 95% natural gas and 5% number two fuel oil.

2.c The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/mmBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

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

2. Additional Terms and Conditions (continued)

2.e 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 02-14231.

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 02-14231.

II. Operational Restrictions

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

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

2. When dual fuel firing, the total annual operating hours for emissions units B009 and B010, combined, shall not exceed 4,348 hours per rolling, 12-month period.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

3. When firing only number two fuel oil, the total annual operating hours for emissions units B009 and B010, combined, shall not exceed 1,086 hours per rolling, 12-month period.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

4. The quality of the number two fuel oil fired in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.56 lbs/hr.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

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

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

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

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

a. the total operating hours for emissions units B009 and B010, combined, when dual fuel firing;

b. the total operating hours for emissions units B009 and B010, combined, when firing number two fuel oil;

c. the total operating hours for emissions units B009 and B010, combined (i.e., the summation of the values from (a) and (b));

d. the rolling, 12-month summation of the total operating hours for emissions units B009 and B010, combined, when dual fuel firing;

e. the rolling, 12-month summation of the total operating hours for emissions units B009 and B010, combined, when firing number two fuel oil;

f. the NOx emissions from emissions units B009 and B010, combined, when dual fuel firing, in tons (i.e., the value from (a) multiplied by the manufacturer-supplied worst case dual fuel NOx emission rate (14.58 lbs/hr) by 1 ton/2000 lbs);

g. the NOx emissions from emissions units B009 and B010, combined, when firing number two fuel oil, in tons (i.e., the value from (b) multiplied by the average NOx emission rate from the most recent compliance demonstration (31.5 lbs/hr) by 1 ton/2000 lbs);

h. the total NOx emissions from emissions units B009 and B010, combined, in pounds or tons (i.e., the summation of the values from (f) and (g));

i. the rolling, 12-month summation of the NOx emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (h) plus the NOx emissions from emissions units B009 and B010 for the previous 11 months);

j. the total CO emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case CO emission rate (33.06 lbs/hr) by 1 ton/2000 lbs);

k. the rolling, 12-month summation of the CO emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (j) plus the CO emissions from emissions units B009 and B010 for the previous 11 months);

l. the total VOC emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case VOC emission rate (7.78 lbs/hr) by 1 ton/2000 lbs);

m. the rolling, 12-month summation of the VOC emissions from emissions units B009 and B010, combined, in tons (i.e., the summation of the value from (l) plus the VOC emissions from emissions units B009 and B010 for the previous 11 months);

n. the total SO2 emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by the manufacturer-supplied worst case SO2 emission rate (1.56 lbs/hr) by 1 ton/2000 lbs); and

o. the total particulate emissions from emissions units B009 and B010, combined, in tons (i.e., the value from (c) multiplied by [the applicable AP-42 emission factor (0.062 lb/mmBtu) by the emissions unit's maximum rated heat input capacity (28.67 mmBtu/hr)] by 1 ton/2000 lbs).

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

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

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/hr). 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.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

IV. Reporting Requirements

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

a. any exceedance of the rolling, 12-month operating hour limitations specified in section A.II;

b. any exceedance of the rolling, 12-month emission limitations for NOx, CO, and/or VOC;

c. any exceedance of the hourly SO2 emission limitation based upon the calculated emission rates from section A.III; and

d. each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil in this emissions unit.

Each report shall be submitted to the Ohio EPA, Northeast District Office within 45 days after the deviation occurs.

(Authority for term: OAC rules 3745-31-05(A)(3) and 3745-77-07(C)(1))

2. The permittee shall also submit annual reports that specify the total SO2 and particulate emissions from emissions units B009 and B010, combined, for the previous calendar year. The reports shall be submitted to the Ohio EPA, Northeast District Office by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for these emissions units in the annual Fee Emission Report.

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

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitations:

SO2 emissions from this emissions unit shall not exceed 1.56 lbs/hr. SO2 emissions from emissions units B009 and B010, combined, shall not exceed 3.4 tons/yr.

Applicable Compliance Methods:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 1.56 lbs/hr.

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

The annual emission limitation was established by multiplying the hourly emission limitation (1.56 lbs/hr) by the maximum restricted hours of operation for emissions units B009 and B010, combined, (4,348 hrs/yr) by 1 ton/2,000 lbs. Therefore, provided compliance is demonstrated with the hourly emission limitation and the operting hour limitations, compliance with the annual emission limitation will also be demonstrated.

Compliance with the annual emission limitation may also be demonstrated based upon the records required pursuant to section A.III.

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

1.b Emission Limitation:

CO emissions from this emissions unit shall not exceed 33.06 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 33.06 lbs/hr.

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

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

1.c Emission Limitation:

NOx emissions from this emissions unit shall not exceed 58.33 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 58.33 lbs/hr or the average results from the most recent emission tests that demonstrated that emissions units B009 and B010 were in compliance (31.5 lbs/hr when firing number two fuel oil).

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 or 7E while firing number two fuel oil.

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

V. Testing Requirements (continued)

1.d Emission Limitation:

VOC emissions from this emissions unit shall not exceed 7.78 lbs/hr.

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon the manufacturer-supplied worst case emission rate of 7.78 lbs/hr.

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

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

1.e Emission Limitation:

Particulate emissions shall not exceed 0.062 lb/mmBtu, actual heat input.

Applicable Compliance Method:

Compliance with the lb/mmBtu emission limitation may be based upon the applicable emission factor specified in AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, section 3.2, table 3.4-2 (.062 lb of filterable particulate matter per mmBtu actual heat input).

If required, the permittee shall demonstrate compliance with the lb/mmBtu emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1))

1.f Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

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

1.g Emission Limitation:

Particulate emissions from emissions units B009 and B010, combined, shall not exceed 3.9 tons/yr.

Applicable Compliance Method:

The annual emission limitation was established by multiplying the allowable lb/mmBtu particulate emission limitation (0.062 lb/mmBtu) by the maximum heat input capacity of each emissions unit (28.67 mmBtu/hr) by the maximum restricted hours of operation for emissions units B009 and B010, combined, (4,348 hrs/yr) by 1 ton/2,000 lbs. Therefore, provided compliance is demonstrated with the hourly emission limitation and the operting hour limitations, compliance with the annual emission limitation will also be demonstrated.

Compliance with the annual emission limitation may also be demonstrated based upon the records required pursuant to section A.III.

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

V. Testing Requirements (continued)

1.h Emission Limitations:

The combined, annual NOx, CO, and VOC emissions from emissions units B009 and B010 shall not exceed the following emission limitations:

NOx - 31.7 tons per rolling, 12-month period;
CO - 71.9 tons per rolling, 12-month period; and
VOC - 17.0 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the rolling, 12-monthl emission limitations shall be demonstrated based upon the records required pursuant to section A.III.

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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