John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

9/27/2013

Genevieve Damico *Via E-Mail Notification*
United States Environmental Protection Agency
Mail Code: AR-18J
77 West Jackson Blvd.
Chicago, IL 60604-3507

RE: PROPOSED AIR POLLUTION TITLE V PERMIT
Facility Name: City of Hamilton Department of Public Utilities
Facility ID: 1409040243
Permit Type: Renewal
Permit Number: P0097012

Dear Ms. Damico:

A proposed OAC Chapter 3745-77 Title V permit for the referenced facility has been issued for review by U.S. EPA. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. If U.S. EPA does not object to this proposed permit, the permit will be processed for issuance as a final action not less than 45 days from the date of this letter. Please contact me at (614) 644-3631 by the end of the 45 day review period if you wish to object to the proposed permit.

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Southwest Ohio Air Quality Agency

PROPOSED

Division of Air Pollution Control
Title V Permit
for
City of Hamilton Department of Public Utilities

Facility ID:	1409040243
Permit Number:	P0097012
Permit Type:	Renewal
Issued:	9/27/2013
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
City of Hamilton Department of Public Utilities

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Authorization

Facility ID:	1409040243
Facility Description:	
Application Number(s):	A0028646, A0028647, A0047203
Permit Number:	P0097012
Permit Description:	Renewal Title V Operating Permit for the City of Hamilton Municipal Electric Plant which includes coal and gas-fired boilers, a heat recovery boiler, and a gas-fired turbine that provide electric to the utility grid.
Permit Type:	Renewal
Issue Date:	9/27/2013
Effective Date:	To be entered upon final issuance
Expiration Date:	To be entered upon final issuance

Superseded Permit Number: P0097011

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

City of Hamilton Department of Public Utilities
960 North Third Street
Hamilton, OH 45011

Ohio Environmental Protection Agency (EPA)District Office or local air agency responsible for processing and administering your permit:

Southwest Ohio Air Quality Agency
250 William Howard Taft Rd.
Cincinnati, OH 45219
(513)946-7777

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. 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. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Southwest Ohio Air Quality Agency. 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, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(Authority for term: ORC 3704.036(A))

2. 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 C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) 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:

(1) 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 Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) 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))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions 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 Standard 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 Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

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

(3) 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 Standard Term and Condition A.2)c)(2) 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; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) 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 section B. Facility-Wide Terms and Conditions 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 Standard Term and Condition A.2.c)(2) 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))

(4) 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))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Southwest Ohio Air Quality Agency.

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

3. 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 Standard Term and Condition A.2.c)(1) above.

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

4. 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))

5. 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))

6. 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))

7. 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 Standard Term and Condition A.11 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 when:

(1) 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

(2) 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

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminant sources once this permit ceases to be enforceable. 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))

8. 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))

9. 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))

10. 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 standard terms and conditions shall apply to all operating scenarios authorized in this permit.

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

11. 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))

12. 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))

13. 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:

(1) 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.

(2) 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.

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

(4) 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:

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

(2) 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:

(1) 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.

(2) 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.

(3) 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))

14. 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))

15. 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))

16. 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))

17. 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))

18. 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.)

19. 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))

20. 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))

21. 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))

22. 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)

23. 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))

24. Reporting Requirements Related to Monitoring and Record Keeping RequirementsUnder State Law Only

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.)

25. Records Retention RequirementsUnder State Law Only

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.

26. 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.

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

27. 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).

28. 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.

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

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

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 Standard Term and Condition A.2.c)(2); 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.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

2. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emissions limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirements contained in a permit-to-install or in the SIP approved versions of OAC Chapters 3745-17, 3745-18, 3745-21, 3745-31, and/or 40 CFR Part 60 or 63:

F001	Paved and Unpaved Roadways and Parking Areas
F002	Coal Handling System (unloading, crushing, transfer)
F003	Coal Storage Piles
P001	60 kW Standby Emergency Generator [PBR10617]
B011	8.369 MMBtu/hour Natural gas-fired Package Boiler #1
B012	8.369 MMBtu/hour Natural gas-fired Package Boiler #2

3. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subparts A and DDDDD, National Emission Standards for Hazardous Air Pollutants (NESHAP) Industrial, Commercial, and Institutional Boilers and Process Heaters: B001, B002, B008, B009, B011, and B012. The complete NESHAP requirements, including the NESHAP General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 63)

4. The following emissions unit contained in this permit may be subject to 40 CFR Part 63, Subparts A and UUUUU, National Emission Standards for Hazardous Air Pollutants (NESHAP) Coal- and Oil-fired Electric Utility Steam Generating Units: B009. The complete NESHAP requirements, including the NESHAP General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 63)

5. The following emissions unit contained in this permit is subject to 40 CFR Part 63, Subparts A and ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines: B004 (the dedicated diesel starter engine). The complete NESHAP requirements, including the NESHAP General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 63)

6. The following emissions unit contained in this permit is subject to 40 CFR Part 63, Subpart YYYY, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Combustion Turbines: B004. The complete NESHAP requirements, including the NESHAP General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 63)

7. The following emissions unit contained in this permit is subject to 40 CFR Part 60, Subparts A and Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (NSPS): B010. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 60)

8. The following emissions unit contained in this permit is subject to 40 CFR Part 60, Subparts A and D, Standards of Performance for Fossil Fuel-Fired Steam Generators (NSPS): B009. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 60)

9. The Southwest Ohio Air Quality Agency has approved the Compliance Assurance Monitoring (CAM) plan submitted by the permittee, pursuant to 40 CFR Part 64, for emissions unit B009. The permittee shall comply with the provisions of the plan (as specified in Part C - Terms and Conditions for Emissions Units) when combusting coal in the aforementioned emissions unit.

   Pursuant to 40 CFR 64.2(b), CAM will not apply to the MACT emission limitations or standards in 40 CFR Part 63, Subpart UUUUU, upon the date that emissions unit B009 becomes subject to this rule.

   (Authority for term: 40 CFR Part 64)

10. The permittee shall ensure that any CAIR NOx, SO2, or NOx ozone season units comply with the requirements of OAC 3745-109, which includes submitting timely permit applications. The permittee shall ensure that the affected emissions units comply with those requirements as outlined in the permit application submitted as required by OAC rules 3745-109-03, 109-10 and 109-16 for the affected emissions units.

    The permittee shall also comply with any subsequent federally mandated programs that may replace the CAIR program affecting electric generating facilities [see note in paragraph 11.a) below].

    (Authority for term: OAC rules 3745-77-07(A)(5) and 3745-109)

11. Clean Air Interstate Rule – OAC Chapter 3745-109

    a) ORIS Facility Code– 2917:

        (1) Emissions Unit B009 – Boiler #9

        Note: Ohio EPA DAPC completed rule amendments for OAC Chapter 3745-14, specifically, OAC rule 3745-14-01 and OAC rule 3745-14-06, which facilitated the transition of the affected units from OAC Chapter 3745-14 into the federal Clean Air Interstate Rule (CAIR) program which began with the 2009 control periods. This began the process of "sunsetting" the parts of OAC Chapter 3745-14 that were no longer needed as a result of Ohio's CAIR rules (OAC Chapter 3745-109). On July 6, 2010, US EPA announced the proposed CAIR replacement rule, the "Transport Rule," as required by the original court vacatur of the federal CAIR program in July 2008. On August 21, 2012, the United States Court of Appeals for the D.C. Circuit vacated the Transport Rule and ordered EPA to continue administering CAIR until it promulgates a replacement.

        (Authority for term: OAC rules 3745-77-07(A)(5) and 3745-109)

12. The following abbreviations are used throughout this permit:

    NOx = Nitrogen Oxides

    CO = Carbon Monoxide

    VOC = Volatile Organic Compounds

    PE = Particulate matter measurable by the applicable test methods in 40 CFR Part 60, Appendix A, "Standards of Performance for New Stationary Sources"

    PM_{10} = Particulate matter with an aerodynamic diameter less than or equal to a nominal ten micrometers as measured either by a reference method that is based on 40 CFR Part 50, Appendix J and designated in accordance with 40 CFR Part 53 or by an equivalent method designated in accordance with 40 CFR Part 53

    SO_2 = Sulfur dioxide

    HAP = Hazardous Air Pollutant

    TPY = Tons per year

    MMBtu = million British thermal units

    PTI = Permit to Install

    CFR = Code of Federal Regulations

    OAC = Ohio Administrative Code

    ORC = Ohio Revised Code

C. Emissions Unit Terms and Conditions

1. B001, Riley Package Boiler

Operations, Property and/or Equipment Description:

173 MMBtu/hour natural gas-fired boiler

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-10(B)(1)	PE shall not exceed 0.020 pound per MMBtu of actual heat input.
c.	OAC rule 3745-18-15(M)(1)	SO_2 emissions shall not exceed 0.0 pound per MMBtu of actual heat input.
d.	40 CFR Part 63, Subpart DDDDD [40 CFR 63.7480-7575] National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters [In accordance with 40 CFR 63.7499 and 63.7575, this emissions unit is an existing boiler designed to burn gas 1 subcategory fuel subject to the work practices specified in this section.]	Table 3 to 40 CFR Part 63, Subpart DDDDD – Work Practice Standards [40 CFR 63.7500]. See c)(1). Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 63.6(i).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	40 CFR Part 63.1-15 [40 CFR 63.7565]	Table 10 to 40 CFR Part 63, Subpart DDDDD – Applicability of General Provisions (Subpart A) to Subpart DDDDD shows which parts of the General Provisions in 40 CFR Part 63.1-15 apply.

(2) Additional Terms and Conditions

a. This emissions unit is only capable of combusting natural gas.

c) Operational Restrictions

(1) The permittee shall comply with the applicable work practices required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7500, 63.7515(d), 63.7540, and Table 3 to Subpart DDDDD	annual tune-up requirements
63.7500 and Table 3 to Subpart DDDDD	one-time energy assessment requirements
63.7500(a)(3)	general duty to minimize emissions

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR 63, Subpart DDDDD)

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7555	required overall records to be maintained
63.7560	record format and retention requirements

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63, Subpart DDDDD)

e) Reporting Requirements

(1) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7530(d) and (e) and 63.7545	Notification of Compliance Status requirements

63.7550 and Table 9 to Subpart DDDDD	content and submission of compliance reports

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63, Subpart DDDDD)

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

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

b. Emission Limitation:

PE shall not exceed 0.020 pound per MMBtu of actual heat input.

Applicable Compliance Method:

Compliance may be determined by multiplying the hourly natural gas burning capacity of the emissions unit (in million cubic feet/hour) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 1.9 lbs of filterable PE/million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (in MMBtu/hour).

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

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

c. Emission Limitation:

SO_2 emissions shall not exceed 0.0 pound per MMBtu of actual heat input.

Applicable Compliance Method:

This emissions unit is only capable of combusting natural gas. Pursuant to OAC rule 3745-18-04(F)(4), the SO_2 emission rate for this emissions unit shall be considered to be equal to 0.0 pound per MMBtu based upon natural gas combustion.

(Authority for term: OAC rules 3745-77-07(C)(1) and 3745-18-04(F)(4))

g) Miscellaneous Requirements

(1) None.

2. B002, Wickes Boiler #7

Operations, Property and/or Equipment Description:

305 MMBtu/hour natural gas-fired boiler

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-10(B)(1)	PE shall not exceed 0.020 pound per MMBtu of actual heat input.
c.	OAC rule 3745-18-15(M)(1)	SO_2 emissions shall not exceed 0.0 pound per MMBtu of actual heat input.
d.	40 CFR Part 63, Subpart DDDDD [40 CFR 63.7480-7575] National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters [In accordance with 40 CFR 63.7499 and 63.7575, this emissions unit is an existing boiler designed to burn gas 1 subcategory fuel subject to the work practices specified in this section.]	Table 3 to 40 CFR Part 63, Subpart DDDDD – Work Practice Standards [40 CFR 63.7500]. See c)(1). Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 63.6(i).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	40 CFR Part 63.1-15 [40 CFR 63.7565]	Table 10 to 40 CFR Part 63, Subpart DDDDD – Applicability of General Provisions (Subpart A) to Subpart DDDDD shows which parts of the General Provisions in 40 CFR Part 63.1-15 apply.

(2) Additional Terms and Conditions

a. This emissions unit is only capable of combusting natural gas

c) Operational Restrictions

(1) The permittee shall comply with the applicable work practices required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7500, 63.7515(d), 63.7540, and Table 3 to Subpart DDDDD	annual tune-up requirements
63.7500 and Table 3 to Subpart DDDDD	one-time energy assessment requirements
63.7500(a)(3)	general duty to minimize emissions

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR 63, Subpart DDDDD)

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7555	required overall records to be maintained
63.7560	record format and retention requirements

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63, Subpart DDDDD)

e) Reporting Requirements

(1) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7530(d) and (e) and 63.7545	Notification of Compliance Status requirements

63.7550 and Table 9 to Subpart DDDDD	content and submission of compliance reports

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63, Subpart DDDDD)

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

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

b. Emission Limitation:

PE shall not exceed 0.020 pound per MMBtu of actual heat input.

Applicable Compliance Method:

Compliance may be determined by multiplying the hourly natural gas burning capacity of the emissions unit (in million cubic feet/hour) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 1.9 lbs of filterable PE/million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (in MMBtu/hour).

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

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

c. Emission Limitation:

SO_2 emissions shall not exceed 0.0 pound per MMBtu of actual heat input.

Applicable Compliance Method:

This emissions unit is only capable of combusting natural gas. Pursuant to OAC rule 3745-18-04(F)(4), the SO_2 emission rate for this emissions unit shall be considered to be equal to 0.0 pound per MMBtu based upon natural gas combustion.

(Authority for term: OAC rules 3745-77-07(C)(1) and 3745-18-04(F)(4))

g) Miscellaneous Requirements

(1) None.

3. B004, Westinghouse Gas Turbine #2

Operations, Property and/or Equipment Description:

250 MMBtu/hour natural gas-fired turbine, including 450 hp diesel starting engine

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
b.	OAC rule 3745-17-11(B)(4)	PE from the gas turbine's exhaust shall not exceed 0.040 pound per MMBtu of actual heat input.
c.	OAC rule 3745-17-11(B)(5)	PE from the black start engine exhaust shall not exceed 0.310 pound per MMBtu of actual heat input.
d.	OAC rule 3745-18-15(M)(5)	SO_2 emissions shall not exceed 0.5 pound per MMBtu of actual heat input. See c)(1).
e.	40 CFR Part 63, Subpart ZZZZ [40 CFR 63.6580-6675] National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) [In accordance with 40 CFR 63.6590 and 63.6675, the black start engine associated with this emissions unit is an existing non-emergency compression ignition stationary RICE <500 hp.]	Comply with the work practices specified in b)(2)a. pursuant to Table 2c of Subpart ZZZZ. [40 CFR 63.6602] See b)(2)a. and c)(2). The permittee shall comply with this subpart no later than May 3, 2013. [40 CFR 63.6595(a)(1)]

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
f.	40 CFR Part 63.1-15 [40 CFR 63.6665]	Table 8 to 40 CFR Part 63, Subpart ZZZZ – Applicability of General Provisions (Subpart A) to Subpart ZZZZ shows which parts of the General Provisions in 40 CFR Part 63.1-15 apply
g.	40 CFR Part 63, Subpart YYYY [40 CFR 63.6080-6175] National Emissions Standards for Hazardous Air Pollutants for Stationary Combustion Turbines [In accordance with 40 CFR 63.6090, this emissions unit consists of an existing stationary combustion turbine that commenced construction or reconstruction on or before January 14, 2003.]	See b)(2)b.

(2) Additional Terms and Conditions

a. The permittee shall comply with the following requirements of 40 CFR Part 63, Subpart ZZZZ, Table 2c for black start stationary compression ignition (CI) RICE:

i. change oil and filter every 500 hours of operation or annually, whichever comes first;

ii. inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

iii. inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and

iv. during periods of startup, minimize the engine's time spent at idle and minimize the engines' startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

b. In accordance with 63.6090(b)(4), existing stationary combustion turbines in all subcategories do not have to meet the requirements of this subpart and of subpart A of this part. No initial notification is necessary for any existing stationary combustion turbine, even if a new or reconstructed turbine in the same category would require an initial notification.

c) Operational Restrictions

(1) The quality of diesel fuel received for burning in the black start engine of this emissions unit shall have a combination of sulfur content and heat content sufficient to comply with

the allowable SO_2 emission limitation of 0.5 pound per MMBtu of actual heat input. Compliance shall be determined by analytical results provided by the permittee or diesel fuel supplier for each shipment of diesel fuel as specified in d)(1).

(Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-18-15(M)(5))

(2) The permittee shall comply with the applicable operating restrictions required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6605(a) and (b)	general duty to minimize emissions

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 63, Subpart ZZZZ)

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records of the diesel fuel burned in the black start engine of this emissions unit in accordance with the following procedures:

a. For each shipment of diesel fuel received for burning in the black start engine of this emissions unit, the permittee shall collect or require the diesel fuel supplier to collect a representative grab sample of the diesel fuel and maintain records of the total quantity of diesel fuel received, the permittee's or diesel fuel 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 and the quality of the diesel fuel for those loads may be represented by a single batch analysis from the supplier.

b. 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 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-18-04(E)(3), and OAC rule 3745-18-04(I))

(2) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6640(a)	demonstrate continuous compliance with work or management practices in accordance with Table 6 of Subpart ZZZZ (manufacturer instructions, maintenance plan)
63.6655(a)	required overall records to be maintained

63.6655(d)	records required in accordance with Table 6 of Subpart ZZZZ to show continuous compliance
63.6660	record format and retention requirements

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ)

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the allowable diesel fuel sulfur content limitation, in pounds SO_2/MMBtu actual heat input, specified in c)(1).

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

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

(2) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6630(c) and 63.6645	requirements for notification reports
63.6640(b) and (e)	submission of deviation reports
63.6650	submission of compliance reports in accordance with Table 7 of Subpart ZZZZ
63.6650(c)	content of compliance reports
63.6650(f)	Title V monitoring report allowance

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ)

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible particulate emissions from the stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

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

b. Emission Limitations:

PE from the gas turbine's exhaust shall not exceed 0.040 pound per MMBtu of actual heat input.

PE from the black start engine exhaust shall not exceed 0.310 pound per MMBtu of actual heat input.

Applicable Compliance Method:

From natural gas combustion in the turbine, compliance may be determined by using the most recent emission factor of 0.0019 pound per MMBtu found in AP-42, Section 3.1, Table 3.1-2a, dated 4/2000, for uncontrolled filterable particulate emissions from natural-gas fired turbines.

From diesel fuel combustion in the black start engine, compliance may be determined by using the most recent emission factor of 0.31 pound per MMBtu found in AP-42, Section 3.3, Table 3.3-1, dated 10/1996, for uncontrolled PM_{10} emissions (assuming all filterable PE is PM_{10}) from diesel fuel-fired engines.

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

(Authority for term: OAC rules 3745-17-11(B) and 3745-77-07(C)(1))

c. Emission Limitation:

SO_2 emissions shall not exceed 0.5 pound per MMBtu of actual heat input.

Applicable Compliance Method:

The SO_2 emissions from natural gas combustion in the turbine are considered to be equal to 0.0 pound per MMBtu pursuant to OAC rule 3745-18-04(F)(4).

For the black start engine on this emissions unit, continuous compliance with the allowable SO_2 emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of diesel fuel received during a calendar month meets the limitation.

Sulfur dioxide emissions from liquid fuel samples shall be calculated as follows:

$ER = [(1 \times 10^{6}) / H] \times D \times S \times 1.974$

where:

ER = the emission rate in pounds of sulfur dioxide per MMBtu;

H = the heat content of the liquid fuel in Btu per gallon;

D = the density of the liquid fuel in pounds per gallon; and

S = the decimal fraction of sulfur in the liquid fuel.

If required, compliance with the SO_2 emission limitation shall be determined through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4, and Method 6.

(Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(F)(2), and 3745-18-04(E))

g) Miscellaneous Requirements

(1) None.

4. B008, Babcock & Wilcox Boiler #8

Operations, Property and/or Equipment Description:

338 MMBtu/hour natural-gas fired boiler, equipped with low NOx burners [This emissions unit was formerly a pulverized coal-fired boiler that has been retrofitted to combust only natural gas.]

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-10(B)(1)	PE shall not exceed 0.020 pound per MMBtu of actual heat input.
c.	OAC rule 3745-18-15(M)(2)	SO_2 emissions shall not exceed 1.45 pounds per MMBtu of actual heat input and the average operating rate of this emissions unit shall not exceed 312 MMBtu per hour. See b)(2)b. and c)(1).
d.	40 CFR Part 63, Subpart DDDDD [40 CFR 63.7480-7575] National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters	Table 3 to 40 CFR Part 63, Subpart DDDDD – Work Practice Standards [40 CFR 63.7500]. See c)(2). Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 63.6(i).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	[In accordance with 40 CFR 63.7499 and 63.7575, this emissions unit is an existing boiler designed to burn gas 1 subcategory fuel subject to the work practices specified in this section.]	
e.	40 CFR Part 63.1-15 [40 CFR 63.7565]	Table 10 to 40 CFR Part 63, Subpart DDDDD – Applicability of General Provisions (Subpart A) to Subpart DDDDD shows which parts of the General Provisions in 40 CFR Part 63.1-15 apply.

(2) Additional Terms and Conditions

a. This emissions unit is only capable of combusting natural gas.

b. The emissions unit-specific requirements of OAC rule 3745-18-15(M)(2) were established and approved into Ohio's State Implementation Plan (SIP) when this emissions unit was operated as a pulverized coal-fired boiler. A rule revision is required to amend the SO_2 emissions limitations and operating restrictions to accommodate the retrofit of the emissions unit to combust only natural gas. The permittee shall comply with the requirements of OAC rule 3745-18-15(M)(3) for this emissions unit as specified in b)(1)c. above until a SIP revision occurs and the U.S. EPA approves revisions to OAC rule 3745-18-15. Once U.S. EPA approves a rule revision to 3745-18-15, then the permittee shall comply with the requirements of the revised rule.

c) Operational Restrictions

(1) Pursuant to OAC rule 3745-18-15(M)(2), the daily average operating rate for his emissions unit shall not exceed 312 MMBtu per hour.

In accordance with b)(2)b., the permittee shall comply with any subsequent rule revision to the operational restriction under OAC rule 3745-18-15 for this emissions unit.

(2) The permittee shall comply with the applicable work practices required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7500, 63.7515(d), 63.7540, and Table 3 to Subpart DDDDD	annual tune-up requirements
63.7500 and Table 3 to Subpart DDDDD	one-time energy assessment requirements

63.7500(a)(3)	general duty to minimize emissions

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR 63, Subpart DDDDD)

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain daily records of the daily average operating rate, in MMBtu per hour, for this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-18-15(M)(2))

(2) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7555	required overall records to be maintained
63.7560	record format and retention requirements

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63, Subpart DDDDD)

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports which document all exceedances of the operating rate limitation specified in c)(1).

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

(Authority for term: OAC rules 3745-77-07(C)(1), 3745-15-03(B), and 3745-15-03(C))

(2) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7530(d) and (e) and 63.7545	Notification of Compliance Status requirements
63.7550 and Table 9 to Subpart DDDDD	content and submission of compliance reports

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63, Subpart DDDDD)

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

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

b. Emission Limitation:

PE shall not exceed 0.020 pound per MMBtu of actual heat input.

Applicable Compliance Method:

This emissions unit is only capable of combusting natural gas. Compliance with the PE limitation may be determined by multiplying the hourly gas burning capacity of the emissions unit (in million cubic feet/hour) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 1.9 lbs of filterable PE/million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (in MMBtu/hour).

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

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

c. Emission Limitation:

SO_2 emissions shall not exceed 1.45 pounds per MMBtu of actual heat input.

Applicable Compliance Method:

This emissions unit is only capable of combusting natural gas. Pursuant to OAC rule 3745-18-04(F)(4), the SO_2 emission rate for this emissions unit shall be considered to be equal to 0.0 pound per MMBtu based upon natural gas combustion.

(Authority for term: OAC rules 3745-77-07(C)(1) and 3745-18-04(F)(4))

g) Miscellaneous Requirements

(1) None.

5. B009, Combustion Engineering Boiler #9

Operations, Property and/or Equipment Description:

729 MMBtu/hour pulverized coal- and natural gas-fired boiler (electric utility steam generating unit), equipped with a lime injection dry scrubber system and baghouse employed when combusting coal, as well as an electrostatic precipitator (ESP) to be used as a back-up control device if the baghouse is not in service

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(E) [PTI P0111963, issued 1/24/2013] OAC rule 3745-31-05(A)(3) does not apply based on the exemption in OAC rule 3745-31-05(A)(3)(a)(i).	SO_2 emissions shall not exceed 1.2 pounds per MMBtu of actual heat input. See c)(1).
b.	OAC rule 3745-17-07(A)(1)	The visible particulate emission limitation specified in this rule is less stringent than the visible particulate emission limitation specified in 40 CFR Part 60, Subpart D.
c.	OAC rule 3745-17-10(C)(1)	The PE limitation specified in this rule is less stringent than the PE limitation specified in 40 CFR Part 60, Subpart D.
d.	OAC rule 3745-18-15(M)(3)	The SO_2 emission limitation specified in this rule is equivalent to the SO_2 emission limitation specified pursuant to OAC rule 3745-31-05(E).
e.	40 CFR Part 60, Subpart D [40 CFR 60.40-60.46] Standards of Performance for Fossil-Fuel-Fired Steam Generators for which Construction is Commenced after August 17, 1971	The fossil-fuel-fired steam generating unit shall be operated and maintained in continuous compliance with the emission standards and applicable requirements of 40 CFR Part 60, Subpart D. PE shall not exceed 0.10 pound per MMBtu or 43 ng PM/J of heat input.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	[In accordance with 40 CFR 60.40 and 60.41, this emissions unit is a fossil-fuel-fired steam generating unit of more than 73 megawatts (MW) heat input rate (250 MMBtu/hr) subject to the emission limitations and control measures specified in this section.]	Visible emissions from the steam generating unit shall not exhibit greater than 20 percent opacity, as a six-minute average, except for one 6-minute period per hour of not more than 27% opacity. When combusting solid fossil fuel, NOx emissions shall not exceed 0.70 pound per MMBtuor 300 ngNOx/J heat input. When combusting natural gas, NOx emissions shall not exceed 0.20 pound per MMBtuor 86 ngNOx/J heat input. The sulfur dioxide emission limitation specified in this rule is equivalent to the sulfur dioxide emission limitation established pursuant to OAC rule 3745-31-05(E). See b)(2)a., b)(2)h., b)(2)i., b)(2)j., and b)(2)m.
f.	40 CFR Part 63, Subpart UUUUU [40 CFR 63.9980-10042] National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-fired Electric Utility Steam Generating Units [In accordance with 40 CFR 63.9980 to 63.9982 and the definitions in 63.10042, this emissions unit is an existing electric utility steam generating unit (EGU), constructed prior to 5/3/11, that has the capability of firing natural gas or coal.]	Exemption pursuant to 40 CFR 63.9983(c). See c)(2).
g.	40 CFR Part 64 [40 CFR 64.1-10] Compliance Assurance Monitoring (CAM) [In accordance with 40 CFR 64.2(a), this emissions unit uses a control device to achieve compliance with	See b)(2)b., b)(2)c., b)(2)l., d)(1), d)(2), d)(9)-d)(16), e)(1), e)(6)-e)(9), and f)(3).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	the applicable PE limitation when burning coal and pre-control particulate emissions are greater than 100 tons per year when burning coal. Therefore, this emissions unit is subject to the requirements of this rule when combusting coal.]	
h.	40 CFR Part 63, Subpart DDDDD [40 CFR 63.7480-7575] National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters [In accordance with 40 CFR 63.7490(e), 63.7499 and 63.7575, this emissions unit is an existing EGU boiler that when combusting gas 1 subcategory fuel is subject to the work practices specified in this section.]	Table 3 to 40 CFR Part 63, Subpart DDDDD – Work Practice Standards [40 CFR 63.7500]. See c)(3) and c)(4). Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 63.6(i).
i.	OAC Chapter 3745-103 Acid Rain Permits and Compliance	This emissions unit is an affected unit subject to the requirements of the acid rain program, which include the requirements to obtain and operate pursuant to an acid rain permit in accordance with OAC rule 3745-103-05.

(2) Additional Terms and Conditions

a. When different fossil fuels are combusted simultaneously in any combination, including gaseous fuels, the applicable emissions standard is determined by prorating the standard using the percent total heat input derived from each fuel type pursuant to 60.43(b) and 60.44(b).

b. The permittee shall maintain a written quality assurance/quality control plan for the continuous opacity monitoring system, designed to ensure continuous valid and representative readings of opacity and compliance with 40 CFR Part 60, Appendix B, Performance Specification 1. The plan shall include, at a minimum, procedures for conducting and recording daily automatic zero/span checks, provisions for conducting a quarterly audit of the continuous opacity monitoring system, and a description of preventive maintenance activities. The plan shall describe step by step procedures for ensuring accurate operation of the continuous opacity monitoring system on a continuous basis. The quality

assurance/quality control plan and a logbook dedicated to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

(Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 75, 40 CFR 60.13, 40 CFR Part 60, Appendix B, 40 CFR Part 60, Subpart D, and 40 CFR Part 64)

c. The continuous opacity monitoring system consists of all the equipment used to acquire data and record opacity.

(Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 75, 40 CFR 60.2, Appendix B to 40 CFR Part 60, 40 CFR Part 60, Subpart D, and 40 CFR Part 64)

d. The permittee shall maintain a written quality assurance/quality control plan for the continuous SO_2 monitoring system, designed to ensure continuous valid and representative readings of SO_2 emissions in units of the applicable standard(s). Except as allowed below, the plan shall follow the requirements of 40 CFR Part 60, Appendix F and 40 CFR Part 75, Appendix B. The quality assurance/quality control plan and a logbook dedicated to the continuous SO_2 monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct relative accuracy test audits for the continuous SO_2 monitoring system in accordance with the frequencies required pursuant to 40 CFR Part 60 and 40 CFR Part 75; or may follow relative accuracy test audit frequency requirements for monitoring systems subject to 40 CFR 75, Appendix B, in lieu of frequencies required in 40 CFR Part 60. In either case, results shall be recorded and reported in units of the applicable standard(s) in accordance with 40 CFR Part 60.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits pursuant to 40 CFR Part 60, and linearity checks pursuant to 40 CFR Part 75; however, linearity checks completed pursuant to 40 CFR Part 75, Appendix B, may be substituted for the quarterly cylinder gas or relative accuracy audits required per 40 CFR Part 60.

(Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR 60.13, Appendix F to 40 CFR Part 60, 40 CFR Part 60, Subpart D, and 40 CFR Part 75)

e. The permittee shall maintain a written quality assurance/quality control plan for the continuous NOx monitoring system, designed to ensure continuous valid and representative readings of NOx emissions in units of the applicable standard(s). Except as allowed below, the plan shall follow the requirements of 40 CFR Part 60, Appendix F and 40 CFR Part 75, Appendix B. The quality assurance/quality control plan and a logbook dedicated to the continuous NOx monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct relative accuracy test audits for the continuous NOx monitoring system in accordance with the frequencies required pursuant to 40 CFR Part 60 and 40 CFR Part 75; or may follow relative accuracy test audit frequency requirements for monitoring systems subject to 40

CFR 75, Appendix B, in lieu of frequencies required in 40 CFR Part 60. In either case, results shall be recorded and reported in units of the applicable standard(s) in accordance with 40 CFR Part 60.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits pursuant to 40 CFR Part 60, and linearity checks pursuant to 40 CFR Part 75; however, linearity checks completed pursuant to 40 CFR Part 75, Appendix B, may be substituted for the quarterly cylinder gas or relative accuracy audits required per 40 CFR Part 60.

(Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR 60.13, Appendix F to 40 CFR Part 60, 40 CFR Part 60, Subpart D, and 40 CFR Part 75)

f. The permittee shall maintain a written quality assurance/quality control plan for the continuous CO_2 monitoring system, designed to ensure continuous valid and representative readings of CO_2 emissions in units of the applicable standard(s). Except as allowed below, the plan shall follow the requirements of 40 CFR Part 60, Appendix F and 40 CFR Part 75, Appendix B. The quality assurance/quality control plan and a logbook dedicated to the continuous CO_2 monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct relative accuracy test audits for the continuous CO_2 monitoring system in accordance with the frequencies required pursuant to 40 CFR Part 60 and 40 CFR Part 75; or may follow relative accuracy test audit frequency requirements for monitoring systems subject to 40 CFR 75, Appendix B, in lieu of frequencies required in 40 CFR Part 60. In either case, results shall be recorded and reported in units of the applicable standard(s) in accordance with 40 CFR Part 60.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits pursuant to 40 CFR Part 60, and linearity checks pursuant to 40 CFR Part 75; however, linearity checks completed pursuant to 40 CFR Part 75, Appendix B, may be substituted for the quarterly cylinder gas or relative accuracy audits required per 40 CFR Part 60.

(Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR 60.13, Appendix F to 40 CFR Part 60, 40 CFR Part 60, Subpart D, and 40 CFR Part 75)

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

(Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR 60.2, and Appendix F to 40 CFR Part 60)

h. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio

Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

i. The opacity standards set forth in the NSPS standards shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard.

j. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any emissions unit, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being followed shall be based on the manufacturer's operating manual and/or operating instructions and information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and/or inspection of the air pollution control device and emissions unit.

k. Any reference to the "Director" in this permit shall take the meaning of the applicable District Office or local air agency of the Division of Air Pollution Control (DAPC), unless otherwise specified in the terms. Unless other arrangements have been approved by the Director, notification of the initial certification and performance evaluations of a continuous monitoring system (CMS), scheduled performance testing, and all required reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

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

l. At all times, the permittee shall maintain the monitoring equipment, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 64)

m. The particulate emission limitation established pursuant to 40 CFR Part 60, Subpart D is less stringent than the emission limitation established pursuant to 40 CFR Part 63, Subpart UUUUU. The permittee shall comply with all applicable emission limitations (including any less stringent emission limitation) on the date this emissions unit is subject to 40 CFR Part 63, Subpart UUUUU.

c) Operational Restrictions

(1) For purposes of complying with air dispersion modeling requirements as depicted in Ohio EPA's Engineering Guide 69 dated 2003, the permittee will comply with the SO_2 emission rate listed in b)(1)a. to show that this emission rate will not cause or contribute to a violation of a National Ambient Air Quality Standard (NAAQS) and/or Prevention of Significant Deterioration (PSD) increment violation based upon the permittee's air dispersion modeling information submitted on July 9, 1998.

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

(2) The permittee has elected to operate this emissions unit to comply with the following exemption for electric utility steam generating units (EGUs) specified in 40 CFR 63.9983(c):

a. Any electric utility steam generating unit that has the capability of combusting more than 25 MW of coal or oil but did not fire coal or oil for more than 10.0 percent of the average annual heat input during any 3 calendar years or for more than 15.0 percent of the annual heat input during any calendar year is not subject to this subpart. Heat input means heat derived from combustion of fuel in an EGU and does not include the heat derived from preheated combustion air, recirculated flue gases or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and industrial boilers).

The permittee shall comply with the monitoring and record keeping requirements specified in d)(17) to demonstrate that this emissions unit is not subject to 40 CFR Part 63, Subpart UUUUU, under the exemption in 40 CFR 63.9983(c).

If after the compliance date of this subpart (April 16, 2015) or an alternative compliance date as provided in 63.6(i), the emissions unit exceeds the heat input levels specified in the exemption, the applicable existing source provisions of 40 CFR Part 63, Subpart UUUUU, shall apply to this emissions unit on the date that the emissions unit became an EGU subject to this subpart.

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR 63.9984(d))

(3) If the permittee operates this emissions unit to comply with the Subpart UUUUU exemption specified in c)(2) above, then this emissions unit is subject to the applicable requirements of Subpart DDDDD specified in c)(4), d)(18), and e)(10) as an existing source pursuant to 63.7490(e) and 63.7491(a).

(4) The permittee shall comply with the applicable work practices required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7500, 63.7515(d), 63.7540, and Table 3 to Subpart DDDDD	annual tune-up requirements
63.7500 and Table 3 to Subpart DDDDD	one-time energy assessment requirements
63.7500(a)(3)	general duty to minimize emissions

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR 63, Subpart DDDDD)

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain on-site, the document of certification received from the U.S. EPA or the Ohio EPA's Central Office verifying that the continuous opacity monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B,

Performance Specification 1. The letter/document of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendix B of 40 CFR 60, and 40 CFR Part 64)

(2) The permittee shall operate and maintain the continuous opacity monitoring system to continuously monitor and record the opacity of the exhaust gas from this emissions unit. The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.

The permittee shall maintain records of data obtained by the continuous opacity monitoring system including, but not limited to:

a. percent opacity on an instantaneous (one-minute) and 6-minute block average basis;

b. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

c. hours of operation of the emissions unit and continuous opacity monitoring system;

d. the date, time, and hours of operation of the emissions unit without the continuous opacity monitoring system;

e. the date, time, and hours of operation of the emissions unit during any malfunction of the continuous opacity monitoring system; as well as,

f. the reason (if known) and the corrective actions taken (if any) for each such event in d)(2)d. and d)(2)e.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendix B of 40 CFR 60, and 40 CFR Part 64)

(3) The permittee shall maintain on-site, the document(s) of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous SO_2 monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 2; and has been certified by U.S. EPA or recommended for certification by Ohio EPA to U.S. EPA under 40 CFR Part 75. The letter(s)/document(s) of certification under Part 60 and certification or recommendation for certification under Part 75 shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendix B of 40 CFR 60, and 40 CFR Part 75)

(4) The permittee shall operate and maintain equipment to continuously monitor and record SO_2 emissions from this emissions unit in units of the applicable standard(s). The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60 and 40 CFR Part 75.

The permittee shall maintain records of all data obtained by the continuous SO_2 monitoring system including, but not limited to:

a. emissions of SO_2 in parts per million for each cycle time of the analyzer, with no resolution less than one data point per minute required;

b. emissions of SO_2 in units of the applicable standard(s) in the appropriate averaging period;

c. results of quarterly cylinder gas audits or linearity checks;

d. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

e. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);

f. hours of operation of the emissions unit and continuous SO_2 monitoring system;

g. the date, time, and hours of operation of the emissions unit without the continuous SO_2 monitoring system;

h. the date, time, and hours of operation of the emissions unit during any malfunction of the continuous SO_2 monitoring system; as well as,

i. the reason (if known) and the corrective actions taken (if any) for each such event in d)(4)g. and d)(4)h.

All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(E), 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendices B and F of 40 CFR 60, and 40 CFR Part 75)

(5) The permittee shall maintain on-site, the document(s) of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous NOx monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 2; and has been certified by U.S. EPA or recommended for certification by Ohio EPA to U.S. EPA under 40 CFR Part 75. The letter(s)/document(s) of certification under Part 60 and certification or recommendation for certification under Part 75 shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendix B of 40 CFR 60, and 40 CFR Part 75)

(6) The permittee shall operate and maintain equipment to continuously monitor and record NOx emissions from this emissions unit in units of the applicable standard(s). The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60 and 40 CFR Part 75.

The permittee shall maintain records of all data obtained by the continuous NOx monitoring system including, but not limited to:

a. emissions of NOx in parts per million for each cycle time of the analyzer, with no resolution less than one data point per minute required;

b. emissions of NOx in units of the applicable standard(s) in the appropriate averaging period;

c. results of quarterly cylinder gas audits or linearity checks;

d. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

e. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);

f. hours of operation of the emissions unit and continuous NOx monitoring system;

g. the date, time, and hours of operation of the emissions unit without the continuous NOx monitoring system;

h. the date, time, and hours of operation of the emissions unit during any malfunction of the continuous NOx monitoring system; as well as,

i. the reason (if known) and the corrective actions taken (if any) for each such event in d)(6)g. and d)(6)h.

All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendices B and F of 40 CFR 60, and 40 CFR Part 75)

(7) The permittee shall maintain on-site, the document(s) of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous CO_2 monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 3; and has been certified by U.S. EPA or recommended for certification by Ohio EPA to U.S. EPA under 40 CFR Part 75. The letter(s)/document(s) of certification under Part 60 and certification or recommendation for certification under Part 75 shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendix B of 40 CFR 60, and 40 CFR Part 75)

(8) The permittee shall operate and maintain equipment to continuously monitor and record CO_2 emitted from this emissions unit in percent CO_2. The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Parts 60 and Part 75.

The permittee shall maintain records of all data obtained by the continuous CO_2 monitoring system including, but not limited to:

a. the percent CO_2 with each cycle time of the analyzer, with no resolution less than one data point per minute required;

b. results of quarterly cylinder gas audits or linearity checks;

c. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

d. results of required relative accuracy test audit(s);

e. hours of operation of the emissions unit, continuous CO_2 monitoring system;

f. the date, time, and hours of operation of the emissions unit without the continuous CO_2 monitoring system;

g. the date, time, and hours of operation of the emissions unit during any malfunction of the continuous CO_2 monitoring system; as well as,

h. the reason (if known) and the corrective actions taken (if any) for each such event in d)(8)f. and d)(8)g.

All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendices B and F of 40 CFR 60, and 40 CFR Part 75)

(9) The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the emissions unit; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.7, and 40 CFR Part 64)

(10) The CAM plan for this emissions unit has been developed for particulate emissions when the emissions unit is combusting coal. The CAM performance indicators for particulate emissions are the opacity of the visible particulate emissions in the exhaust stack and the pressure drop across the baghouse (or the power parameters on the ESP when employed as the backup control device).

Stack opacity is measured and recorded by the certified continuous opacity monitoring (COM) system. The visible particulate emissions indicator range is each six-minute block average with an opacity value greater than 15%. When the opacity value is greater than 15%, corrective action (including, but not limited to, an evaluation of the emissions unit and control devices) will be required.

The baghouse operating parameters are measured and recorded by the continuous pressure drop monitoring equipment and the associated record keeping requirements in d)(11). The baghouse indicator range for the pressure drop across the baghouse is between 2.0 and 6.0 inches of water column. When the monitored value for pressure drop is outside of this range, corrective action (including, but not limited to, an evaluation of the emissions unit and baghouse) will be required.

When the ESP is employed as the backup control device, the power parameters for the ESP's three fields are measured and recorded by the continuous monitoring equipment and the associated record keeping requirements in d)(12). The ESP power parameter indicator ranges for normal operation are a secondary current of 25 – 150 milliamps and a secondary voltage of 18 – 45 kilovolts. When the opacity exceeds 15% for more than six consecutive minutes and any one of the power parameters is outside of these ranges, corrective action focused on the ESP will be required.

The CAM indicator ranges noted above are effective for the duration of this permit, unless revisions are requested by the permittee and approved by Ohio EPA. The permittee may request revisions to the ranges above based upon information obtained during future emission tests that demonstrate compliance with the emission limitations for this emissions unit. In addition, approved revisions to the ranges will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

(Authority for Term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(11) The permittee shall operate and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the emissions unit is in operation and combusting coal, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis when the baghouse is employed as the particulate control device. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

Whenever the recorded value for the pressure drop is outside the range specified in d)(10), the permittee shall promptly investigate the cause of the excursion. The permittee shall maintain records of the following information for each investigation:

a. the date and time the excursion began;

b. the magnitude of the excursion at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of an excursion, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable ranges specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the excursion ended. The permittee shall maintain records of the following information for each corrective action taken:

f. a description of the corrective action;

g. the date corrective action was completed;

h. the date and time the excursion ended;

i. the total period of time (in minutes) during which there was an excursion;

j. the pressure drop readings immediately after the corrective action was implemented; and

k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 64.7, and 40 CFR Part 64.9)

(12) When the ESP is employed as the backup particulate control device, the permittee shall operate and maintain equipment to continuously monitor the power parameters (secondary current and secondary voltage), in the applicable units of measure, for the ESP fields when the emissions unit is in operation and combusting coal, including periods of startup and shutdown. The permittee shall record the secondary current and secondary voltage on a daily basis when the ESP is employed as the particulate control device. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

Whenever the recorded value for any secondary power parameter is outside the range specified in d)(10), the permittee shall promptly investigate the cause of the excursion. The permittee shall maintain records of the following information for each investigation:

a. the date and time the excursion began;

b. the magnitude of the excursion at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of an excursion, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable ranges specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the excursion ended. The permittee shall maintain records of the following information for each corrective action taken:

f. a description of the corrective action;

g. the date corrective action was completed;

h. the date and time the excursion ended;

i. the total period of time (in minutes) during which there was an excursion;

j. the secondary power readings immediately after the corrective action was implemented; and

k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 64.7, and 40 CFR Part 64.9)

(13) Upon detecting an excursion of the opacity value and/or the pressure drop across the baghouse or the ESP power parameters, the permittee shall restore operation of the emissions unit (including the control device) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as thorough response by the computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

(Authority for Term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64.7)

(14) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring under 40 CFR Part 64 did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency and if necessary, submit a proposed modification

to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. Approved revisions to the monitoring will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64)

(15) If a determination is made by the Administrator or Ohio EPA that the permittee has not used acceptable procedures in response to an excursion or exceedance based on the results of a determination made under 40 CFR Part 64.7(d)(2), the permittee may be required to develop a Quality Improvement Plan (QIP) consistent with the requirements of 40 CFR Part 64.8.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(16) On the date that this emissions unit is subject to 40 CFR Part 63, Subpart UUUUU, the PE monitoring requirements specified in 40 CFR 63.10010 and 63.10021 may satisfy the monitoring requirements of 40 CFR Part 64 specified in d)(10) - d)(15). Since the CAM requirements of 40 CFR Part 64 will continue to apply after the date specified in 40 CFR Part 63, Subpart UUUUU, the CAM plan shall be revised at such time to be consistent with the MACT monitoring requirements.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(17) The permittee shall collect and record the amount of natural gas and coal combusted in this emissions unit for each calendar year to document that the annual heat input from the combustion of coal meets the exemption thresholds specified in 40 CFR 63.9983(c) and c)(2) of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63, Subpart UUUUU)

(18) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7555	required overall records to be maintained
63.7560	record format and retention requirements

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63, Subpart DDDDD)

(19) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install P0111963, issued on 1/24/2013: d)(1)-d)(18). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record

keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous opacity monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of opacity values in excess of any limitation specified in this permit, 40 CFR Part 60, OAC rule 3745-17-07, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude (percent opacity) of each 6-minute block average exceeding the applicable opacity limitation(s), as well as, the reason (if known) and the corrective actions taken (if any) for each exceedance.

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous opacity monitor;

iii. a description of any change in the equipment that comprises the continuous opacity monitoring system (COMS), including any change to the hardware, changes to the software that may affect COMS readings, and/or changes in the location of the COMS sample probe;

iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;

v. the total operating time (hours) of the emissions unit;

vi. the total operating time of the continuous opacity monitoring system while the emissions unit was in operation;

vii. the date, time, and duration of any/each malfunction** of the continuous opacity monitoring system and emissions unit;

viii. the date, time, and duration of any downtime** of the continuous opacity monitoring system while the emissions unit was in operation; and

ix. the reason (if known) and the corrective actions taken (if any) for each event in e)(1)b.vii. and e)(1)b.viii.

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* where no exceedance of the opacity limit has occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the quarterly EER report.

** each downtime and malfunction event shall be reported regardless if there is an exceedance of the opacity limit.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, 40 CFR Part 60, Subpart D, 40 CFR 60.7, and 40 CFR Part 64)

(2) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous SO_2 monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of SO_2 emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, 40 CFR Part 75, OAC Chapter 3745-18, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous SO_2 and other associated monitors;

iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;

iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;

v. the total SO_2 emissions for the calendar quarter (tons);

vi. the total operating time (hours) of the emissions unit;

vii. the total operating time of the continuous SO_2 monitoring system while the emissions unit was in operation;

viii. results and dates of quarterly cylinder gas audits or linearity checks;

ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));

x. unless previously submitted, the results of any relative accuracy test audit showing the continuous SO_2 monitor out-of-control and the compliant results following any corrective actions;

xi. the date, time, and duration of any/each malfunction** of the continuous SO_2 monitoring system and emissions unit;

xii. the date, time, and duration of any downtime** of the continuous SO_2 monitoring system while the emissions unit was in operation; and

xiii. the reason (if known) and the corrective actions taken (if any) for each event in e)(2)b.xi. and e)(2)b.xii.

Each report shall address the operations conducted and data obtained during the previous calendar quarter. Data substitution procedures from 40 CFR 75 are not to be used for showing compliance with the NSPS-based limitation(s) in this permit.

* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report.

** each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(E), 40 CFR Part 60, Subpart D, 40 CFR 60.7, and 40 CFR Part 75)

(3) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous NOx monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of NOx emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, 40 CFR Parts 75 and 76, OAC Chapters 3745-14 and 3745-23, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous NOx and other associated monitors;

iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;

iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;

v. the total NOx emissions for the calendar quarter (tons);

vi. the total operating time (hours) of the emissions unit;

vii. the total operating time of the continuous NOx monitoring system while the emissions unit was in operation;

viii. results and dates of quarterly cylinder gas audits or linearity checks;

ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));

x. unless previously submitted, the results of any relative accuracy test audit showing the continuous NOx monitor out-of-control and the compliant results following any corrective actions;

xi. the date, time, and duration of any/each malfunction** of the continuous NOx monitoring system and emissions unit;

xii. the date, time, and duration of any downtime** of the continuous NOx monitoring system while the emissions unit was in operation; and

xiii. the reason (if known) and the corrective actions taken (if any) for each event in e)(4)b.xi. and e)(4)b.xii.

Each report shall address the operations conducted and data obtained during the previous calendar quarter. Data substitution procedures from 40 CFR 75 are not to be used for showing compliance with the NSPS-based limitation(s) in this permit.

* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report.

** each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.7, and 40 CFR Part 75)

(4) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous CO_2 monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of continuous CO_2 monitoring system downtime and malfunction while the emissions unit was on line.

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous CO_2 and other associated monitors;

iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;

iv. the total operating time (hours) of the emissions unit;

v. the total operating time of the continuous CO_2 monitoring system while the emissions unit was in operation;

vi. results and dates of quarterly cylinder gas audits or linearity checks;

vii. unless previously submitted, results and dates of the relative accuracy test audit(s) (during appropriate quarter(s));

viii. unless previously submitted, the results of any relative accuracy test audit showing the continuous CO_2 monitor out-of-control and the compliant results following any corrective actions;

ix. the date, time, and duration of any/each malfunction* of the continuous CO_2 monitoring system while the emissions unit was in operation;

x. the date, time, and duration of any downtime* of the continuous CO_2 monitoring system while the emissions unit was in operation; and

xi. the reason (if known) and the corrective actions taken (if any) for each event in e)(6)b.ix. and e)(6)b.x.

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.7, and 40 CFR Part 75)

(5) The permittee shall collect, record, and maintain measurements, data, records, and reports required per 40 CFR Part 75; and shall submit certification, recertification, notifications, applications, monitoring plans, petitions for alternative monitoring systems, electronic quarterly reports, and any other pertinent record and/or report to the Administrator (U.S. EPA), as required by this Part.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 75)

(6) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. each period of time (start time and date, and end time and date) when the emissions unit was in operation and the process emissions were not vented to the baghouse;

b. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the ranges specified in d)(10) and the cause of each incident;

c. the date, time, and duration of any downtime of the baghouse continuous monitoring equipment (other than downtime associated with zero and span or other daily calibration checks) while the emissions unit was in operation and the cause of each incident;

d. the corrective action(s) taken for each incident described in (a), (b), and (c);

e. an identification of each incident described in (a) and (b) where a prompt investigation was not conducted;

f. an identification of each incident of deviation described in (a) and (b) where prompt corrective action, that would bring the emissions unit into compliance and/or the baghouse pressure drop range defined in d)(10) into an acceptable range, was determined to be necessary and was not taken; and

g. an identification of each incident of deviation described in (a) and (b) where proper records were not maintained for the investigation and/or the corrective action(s).

If no deviations/excursions occurred during a calendar quarter, the report shall so state that no deviations occurred during the reporting period.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64.9)

(7) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. each period of time (start time and date, and end time and date) when the emissions unit was in operation and the process emissions were not vented to the ESP when employed as the backup control device;

b. each period of time (start time and date, and end time and date) when the power parameters on the ESP were outside of the ranges specified in d)(10) and the cause of each incident;

c. the date, time, and duration of any downtime of the ESP continuous monitoring equipment (other than downtime associated with zero and span or other daily calibration checks) while the emissions unit was in operation and the cause of each incident;

d. the corrective action(s) taken for each incident described in (a), (b), and (c);

e. an identification of each incident described in (a) and (b) where a prompt investigation was not conducted;

f. an identification of each incident of deviation described in (a) and (b) where prompt corrective action, that would bring the emissions unit into compliance and/or the ESP power parameter range(s) defined in d)(10) into an acceptable range, was determined to be necessary and was not taken; and

g. an identification of each incident of deviation described in (a) and (b) where proper records were not maintained for the investigation and/or the corrective action(s).

If no deviations/excursions occurred during a calendar quarter, the report shall so state that no deviations occurred during the reporting period.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64.9)

(8) If the permittee is required under 40 CFR Part 64.8 and d)(15) of this permit to develop a QIP, the permittee shall submit quarterly reports that contain a description of the actions taken to implement a QIP during the reporting period. Upon completion of a QIP, the permittee shall include documentation that the implementation of the plan has been completed and reduced the likelihood of excursions.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(9) On the date that this emissions unit is subject to 40 CFR Part 63, Subpart UUUUU, the reporting requirements specified in 40 CFR 63.10030 and 63.10031 may satisfy the reporting requirements of 40 CFR Part 64 specified in e)(6)-e)(8). Since the CAM requirements of 40 CFR Part 64 will continue to apply after the date specified in 40 CFR Part 63, Subpart UUUUU, the CAM plan shall be revised at such time to be consistent with the MACT reporting requirements.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(10) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7530(d) and (e) and 63.7545	Notification of Compliance Status requirements
63.7550 and Table 9 to Subpart DDDDD	content and submission of compliance reports

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63, Subpart DDDDD)

(11) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install P0111963, issued on 1/24/2013: e)(1)-e)(10). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

PE shall not exceed 0.10 pound per MMBtu or 43 ng PM/J of heat input.

Applicable Compliance Method:

Compliance with the mass allowable emission limitation in pound per MMBtu or ng/J shall be demonstrated through the PE emission testing required in f)(3) below.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, and 40 CFR Part 64)

b. Emission Limitation:

SO_2 emissions shall not exceed 1.2 pounds per MMBtu of actual heat input.

Applicable Compliance Method:

Ongoing compliance with the SO_2 emission limitations contained in this permit, 40 CFR Parts 60 and 75, and any other applicable standard(s) may be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60 and 40 CFR Part 75.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(E), 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendices B and F to 40 CFR Part 60, and 40 CFR Part 75)

c. Emission Limitations:

When combusting solid fossil fuel, NOx emissions shall not exceed 0.70 pound per MMBtuor 300 ngNOx/J heat input.

When combusting natural gas, NOx emissions shall not exceed 0.20 pound per MMBtuor 86 ngNOx/J heat input.

Applicable Compliance Method:

Ongoing compliance with the NOx emission limitations contained in this permit, 40 CFR Parts 60 and 75, and any other applicable standard(s) may be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60 and 40 CFR Part 75.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendices B and F to 40 CFR Part 60, and 40 CFR Part 75)

d. Emission Limitation:

Visible emissions from the steam generating unit shall not exhibit greater than 20 percent opacity, as a six-minute average, except for one 6-minute period per hour of not more than 27% opacity.

Applicable Compliance Method:

Ongoing compliance with the opacity limitation contained in this permit, 40 CFR Part 60, and any other applicable standard(s) may be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60.

The opacity standards set forth in the NSPS standards shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.13, and Appendix B to 40 CFR Part 60)

(2) Ongoing compliance with the CO_2 monitoring requirements contained in this permit, 40 CFR Parts 60 and 75, and any other applicable standard(s) may be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60 and 40 CFR Part 75.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, 40 CFR 60.13, Appendices B and F to 40 CFR Part 60, and 40 CFR Part 75)

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

a. The emission testing shall be conducted within 3 months after resuming the combustion of coal in this emissions unit on a continuous basis such that the exemption in c)(2) no longer applies.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulate of 0.10 pound per MMBtu or 43 ng PM/J of heat input.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Methods 1 through 4, and Method 5 or 5B of 40 CFR Part 60, Appendix A, in accordance with 40 CFR 60.46 as follows:

i. Method 5 of 40 CFR Part 60, Appendix A to determine the PE concentration at facilities without wet flue-gas desulfurization (FGD) systems, or Method 5B of Appendix A of Part 60 shall be used to determine PE concentration after wet FGD systems;

ii. the PE rate shall be computed using the dry basis F factor (O_2) procedures in Method 19 of Appendix A of Part 60;

iii. the sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf);

iv. the probe and filter holder heating system in the sampling train shall be set to provide an average gas temperature of 160±14 °C (320±25 °F);

v. if the particulate run has more than 12 traverse points, the O_2 traverse points may be reduced to 12, provided that Method 1 of Appendix A of Part 60 is used to locate the 12 O_2 traverse points;

vi. the O_2 sample shall be obtained simultaneously with, and at the same traverse points, as the PE samples using Method 3B; and

vii. if the grab sampling procedure is used, the O_2 concentration for the run shall be the arithmetic mean of the sample O_2 concentrations at all traverse points.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. During the test, the permittee shall monitor and record the baghouse operating parameters, including pressure drop, and the opacity values from the continuous opacity monitor.

e. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.

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

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

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

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart D, and 40 CFR Part 64)

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install number P0111963, issued on 1/24/2013: f)(1)-f)(3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.

6. B010, Heat Recovery Boiler

Operations, Property and/or Equipment Description:

Heat recovery boiler equipped with auxiliary 98 MMBtu/hr natural gas burners as supplemental fuel

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI P0111967, issued 2/7/2013]	NOx emissions shall not exceed 0.1 pound per MMBtu of actual heat input. CO emissions shall not exceed 0.082 pound per MMBtu of actual heat input. VOC emissions shall not exceed 0.005 pound per MMBtu of actual heat input. See b)(2)c. and c)(2). The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D), OAC rule 3745-17-07(A)(1), OAC rule 3745-17-10(B)(1), and OAC rule 3745-18-15(M)(4).
b.	OAC rule 3745-31-05(D) Federally Enforceable Limitations to Avoid Nonattainment New Source Review	NOx emissions shall not exceed 33.66 tons per year based on a rolling, 12-month summation. CO emissions shall not exceed 27.72 tons per year based on a rolling, 12-month summation. VOC emissions shall not exceed 1.82 tons per year based on a rolling, 12-month summation.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		PE shall not exceed 6.73 tons per year based on a rolling, 12-month summation. See b)(2)b., c)(1), and c)(2).
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
d.	OAC rule 3745-17-10(B)(1)	PE shall not exceed 0.020 pound per MMBtu of actual heat input.
e.	OAC rule 3745-18-15(M)(4)	SO_2 emissions shall not exceed 0.0 pound per MMBtu of actual heat input.
f.	40 CFR Part 60, Subpart Dc [40 CFR Part 60.40c-48c] Standards of Performance (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units	The emission standards specified by this rule for gaseous fuel combustion are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3), OAC rule 3745-17-10(B)(1) and OAC rule 3745-18-15(M)(4). See b)(2)d.
g.	40 CFR Part 63, Subpart DDDDD [40 CFR Part 63.7480-7575] National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters	Exempt. In accordance with 40 CFR 63.7485 and 63.7575, this emissions unit is defined as a waste heat boiler that is excluded from the definition of boiler, therefore it is not subject to the emission limitations, operating limitations, and/or work practices specified in this Subpart.

(2) Additional Terms and Conditions

a. This emissions unit receives exhaust gas from Gas Turbine No.2 (emissions unit B004) and supplements the recovered heat from emissions unit B004 through the firing of natural gas. The emission limitations specified for this emissions unit are only related to the firing of natural gas. If emission testing is required for any of the emission limitations, compliance shall be demonstrated by subtracting the emissions in the outlet duct for emissions unit B004 (i.e., inlet to this emissions unit) from the emissions in the outlet duct for this emissions unit.

b. The rolling, 12-month PE, CO, VOC, and NOx emission limitations were established using current AP-42 emission factors [except for the PE limitation which is based upon the emission limitation in OAC rule 3745-17-10(B)(1) and the NOx emission limitation which is based upon a best available technology (BAT) determination for the use of low-NOx burners], the heat content of natural gas (1020 Btu/cu. ft.), and the natural gas usage limitation (660 million cubic feet

per year based on a rolling, 12-month summation). Provided that the permittee complies with the restricted natural gas usage limitation and the applicable AP-42 emission factors (or the PE limitation specified in OAC rule 3745-17-10(B)(1) and the NOx limitation established pursuant to OAC rule 3745-31-05(A)(3)) are not increased, compliance with the rolling, 12-month emission limitations will be demonstrated. Therefore, no additional monitoring, record keeping, or reporting requirements are necessary to ensure compliance with these emission limitations.

c. The permittee shall employ low-NOx burners in this emissions unit.

d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

(1) The maximum natural gas usage for this emissions unit shall not exceed 660 million cubic feet per year based on a rolling, 12-month summation.

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

(2) The permittee shall burn only natural gas and exhaust gas from emissions unit B004 in this emissions unit.

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

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record on a monthly basis the following information:

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

b. the updated rolling, 12-month summation of the natural gas burned (the summation of the information contained in d)(1)a. for the current month and the information contained in d)(1)a. for the previous eleven months).

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

(2) For each day during which the permittee burns a fuel other than natural gas and exhaust gas from emissions unit B004, 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), OAC rule 3745-31-05(A)(3), and OAC rule 3745-31-05(D))

(3) The permittee shall record and maintain records of the amount of each fuel combusted during each operating day in accordance with 40 CFR 60.48c(g)(1), except as provided below.

a. As an alternative to the daily record keeping requirements specified in 40 CFR 60.48c(g)(1):

i. the permittee may elect to record and maintain records of the amount of each fuel combusted during each calendar month in accordance with 40 CFR 60.48c(g)(2); or

ii. the permittee may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to the property during each calendar month in accordance with 40 CFR 60.48c(g)(3).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart Dc)

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install P0111967, issued on 2/7/2013: d)(1)-d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the natural gas usage restriction specified in c)(1) based on a rolling, 12-month summation.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

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

(2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and exhaust gas from emissions unit B004 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), OAC rule 3745-31-05(A)(3), and OAC rule 3745-31-05(D))

(3) The permittee shall submit notification of the date of construction or reconstruction and actual startup in accordance with the requirements of 40 CFR 60.48c(a) and 40 CFR 60.7. [Notifications for this emissions unit were previously submitted pursuant to this requirement; therefore a notification is not required subsequent to this permitting action.]

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart Dc)

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install P0111967, issued on 2/7/2013: e)(1)-e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

(Authority for term: OAC rules 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and 3745-17-03(B)(1)(a))

b. Emission Limitations:

NOx emissions shall not exceed 0.1 pound per MMBtu of actual heat input.

NOx emissions shall not exceed 33.66 tons per year based on a rolling, 12-month summation.

Applicable Compliance Method:

The potential annual emissions rate for emissions unit B010 was determined based on the following equation from the permittee-supplied information in PTI application 14-3052 as submitted on April 2, 1993:

NOx = (0.1 lb/MMBtu allowable emission limitation) x (1020 MMBtu/mm cu ft of natural gas; AP-42 1.4, 7/1998) x (660 mm cu ft of natural gas per year max allowable)/(2000 lbs/ton) = 33.66 TPY.

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR

Part 60, Appendix A, Methods 1 through 4 and 7 or other USEPA-approved methods.

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

c. Emission Limitations:

CO emissions shall not exceed 0.082 pound per MMBtu of actual heat input.

CO emissions shall not exceed 27.72 tons per year based on a rolling, 12-month summation.

Applicable Compliance Method:

The potential annual emissions rate for emissions unit B010 was determined based on the following equation from the permittee-supplied information in PTI application 14-3052 as submitted on April 2, 1993:

CO = (84 lb/mm cu ft of natural gas usage; AP-42 1.4, 7/1998) x (660 mm cu ft of natural gas per year max allowable)/(2000 lbs/ton) = 27.72 TPY.

The short term emission limitation for emissions unit B010 was determined based on the following equation from AP-42:

CO = (84 lb/mm cu ft of natural gas usage; AP-42 1.4, 7/1998) / (1020 MMBtu/mm cu ft of natural gas; AP-42 1.4, 7/1998) = 0.082 pound per MMBtu.

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10 or other USEPA-approved methods.

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

d. Emission Limitations:

VOC emissions shall not exceed 0.005 pound per MMBtu of actual heat input.

VOC emissions shall not exceed 1.82 tons per year based on a rolling, 12-month summation.

Applicable Compliance Method:

The potential annual emissions rate for emissions unit B010 was determined based on the following equation from the permittee-supplied information in PTI application 14-3052 as submitted on April 2, 1993:

VOC = (5.5 lb/mm cu ft of natural gas usage; AP-42 1.4, 7/1998) x (660 mm cu ft of natural gas per year max allowable)/(2000 lbs/ton) = 1.82 TPY.

The short term emission limitation for emissions unit B010 was determined based on the following equation from AP-42:

VOC = (5.5 lb/mm cu ft of natural gas usage; AP-42 1.4, 7/1998) / (1020 MMBtu/mm cu ft of natural gas; AP-42 1.4, 7/1998) = 0.005 pound per MMBtu.

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or other USEPA-approved methods.

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

e. Emission Limitations:

PE shall not exceed 0.020 pound per MMBtu of actual heat input.

PE shall not exceed 6.73 tons per year based on a rolling, 12-month summation.

Applicable Compliance Method:

The potential annual emissions rate for emissions unit B010 was determined based on the following equation from the permittee-supplied information in PTI application 14-3052 as submitted on April 2, 1993:

PE = (0.020 lb/MMBtu rule-based allowable emission limitation) x (1020 MMBtu/mm cu ft of natural gas; AP-42 1.4, 7/1998) x (660 mm cu ft of natural gas per year max allowable)/(2000 lbs/ton) = 6.73 TPY.

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

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-17-10(B), OAC rule 3745-31-05(A)(3), and OAC rule 3745-31-05(D))

f. Emission Limitation:

SO2 emissions shall not exceed 0.0 pound per MMBtu of actual heat input.

Applicable Compliance Method:

Pursuant to OAC rule 3745-18-04(F)(4), the SO_2 emission rate for this emissions unit shall be considered to be equal to 0.0 pound per MMBtu based upon natural gas combustion.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-18-04(F)(4))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install number P0111967, issued on 2/7/2013: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.