



John R. Kasich, Governor
 Mary Taylor, Lt. Governor
 Craig W. Butler, Director

11/20/2015

Jim Alexander
 Oak Hill Compressor Station
 801 E. 86th Ave
 Merrillville, IN 46410

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
 Facility ID: 0640005007
 Permit Number: P0119091
 Permit Type: Initial Installation
 County: Jackson

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	MAJOR GHG
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
 77 South High Street, 17th Floor
 Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF 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 you have any questions, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael E. Hopkins, P.E.
Assistant Chief, Permitting Section, DAPC

Cc: U.S. EPA
Ohio EPA-SEDO; Kentucky; West Virginia



FINAL

**Division of Air Pollution Control
Permit-to-Install
for
Oak Hill Compressor Station**

Facility ID:	0640005007
Permit Number:	P0119091
Permit Type:	Initial Installation
Issued:	11/20/2015
Effective:	11/20/2015



Division of Air Pollution Control
Permit-to-Install
for
Oak Hill Compressor Station

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Final Permit-to-Install
Oak Hill Compressor Station
Permit Number: P0119091
Facility ID: 0640005007
Effective Date: 11/20/2015

Authorization

Facility ID: 0640005007
Facility Description: Natural gas compressor station
Application Number(s): A0053696
Permit Number: P0119091
Permit Description: Initial installation permit for three (3) NG turbines, fugitives/blowdowns and one (1) emergency generator.
Permit Type: Initial Installation
Permit Fee: \$1,000.00
Issue Date: 11/20/2015
Effective Date: 11/20/2015

This document constitutes issuance to:

Oak Hill Compressor Station
Pyro Rd
Madison Twp., OH 45656

of a Permit-to-Install for the emissions unit(s) identified on the following page.

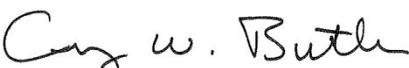
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138
(740)385-8501

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Craig W. Butler
Director



Authorization (continued)

Permit Number: P0119091

Permit Description: Initial installation permit for three (3) NG turbines, fugitives/blowdowns and one (1) emergency generator.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	P004
Company Equipment ID:	Emergency Generator
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P801
Company Equipment ID:	P100
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Group Name: SoLoNOx Turbines

Emissions Unit ID:	P001
Company Equipment ID:	P001
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P002
Company Equipment ID:	P002
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P003
Company Equipment ID:	P003
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



Final Permit-to-Install
Oak Hill Compressor Station
Permit Number: P0119091
Facility ID: 0640005007
Effective Date: 11/20/2015

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.2.a), Severability Clause
 - (2) Standard Term and Condition A.3.c) through A. 3.e) General Requirements
 - (3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements
 - (4) Standard Term and Condition A.9., Reporting Requirements
 - (5) Standard Term and Condition A.10., Applicability
 - (6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
 - (7) Standard Term and Condition A.14., Public Disclosure
 - (8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
 - (9) Standard Term and Condition A.16., Fees
 - (10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

- a) 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.
- b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they 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 and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

- a) 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 re-issuance, or modification.

- 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, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d) This permit does not convey any property rights of any sort, or any exclusive privilege.
- e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying 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.

4. Monitoring and Related Record Keeping and Reporting Requirements

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - (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.
- 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, 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.
- c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - (1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Southeast District Office.

- (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Ohio EPA DAPC, Southeast District Office. The written 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. See A.15. below if no deviations occurred during the quarter.
 - (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the Ohio EPA DAPC, Southeast District Office every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - (4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Ohio EPA DAPC, Southeast District Office in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

- a) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the appropriate Ohio EPA District Office or contracted

local air agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the electronic signature date shall constitute the date that the required application, notification or report is considered to be "submitted". Any document requiring signature may be represented by entry of the personal identification number (PIN) by responsible official as part of the electronic submission process or by the scanned attestation document signed by the Authorized Representative that is attached to the electronically submitted written report.

Any document (including reports) required to be submitted and required by a federally applicable requirement in this 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 ORC section 3704.08.
 - (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 Ohio EPA DAPC, Southeast District Office 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.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Ohio EPA DAPC, Southeast District Office.
- b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA DAPC, Southeast District Office. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, 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.)

10. Applicability

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s) not exempt from the requirement to obtain a Permit-to-Install.

11. Construction of New Sources(s) and Authorization to Install

- a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.
- b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the

Director within a reasonable time before the termination date and the permittee shows good cause for any such extension.

- c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit 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) by submitting a certification from the authorized 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 authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as "permanently shut down" in "Air Services" along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update electronically will constitute notifying the Director of the permanent shutdown of the affected emissions unit(s).
- d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit 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). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

Unless otherwise exempted, no emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31 and OAC Chapter 3745-77 if the restarted operation is subject to one or more applicable requirements.

- e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if operation of the proposed new or modified source(s) as authorized by this permit would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d) must be obtained before operating the source in a manner that would violate the existing Title V permit requirements.

13. Construction Compliance Certification

The applicant shall identify the following dates in the "Air Services" facility profile for each new emissions unit identified in this permit.

- a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.
- b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

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

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

16. 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. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the "Owner/Contact Change" functionality in "Air Services" once the transfer is legally completed. The change must be submitted through "Air Services" within thirty days of the ownership transfer date.

18. Risk Management Plans

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

19. 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.

B. Facility-Wide Terms and Conditions



Final Permit-to-Install
Oak Hill Compressor Station
Permit Number: P0119091
Facility ID: 0640005007
Effective Date: 11/20/2015

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.



Final Permit-to-Install
Oak Hill Compressor Station
Permit Number: P0119091
Facility ID: 0640005007
Effective Date: 11/20/2015

C. Emissions Unit Terms and Conditions

1. P004, Emergency Generator

Operations, Property and/or Equipment Description:

1,175 hp, NG fired emergency generator

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) b)(1)c., b)(1)g., d)(3)

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) <i>June 30, 2008</i>	Install a burner that is capable of meeting the following: 2.0 gram/brake horsepower hour (g/bhp-hr) nitrogen oxides (NO _x) 1.3 g/bhp-hr carbon monoxide (CO) 0.04 g/bhp-hr volatile organic compounds (VOC) 0.01 pound per million Btu (lb/MMBtu) of particulate emissions less than ten microns in diameter (PM ₁₀) 0.01 lb/MMBtu of particulate emissions less than 2.5 microns in diameter (PM _{2.5}) 0.06 lb/MMBtu of sulfur dioxide (SO ₂) See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) <i>June 30, 2008</i>	See b)(2)b.
c.	OAC rule 3745-31-05(E) (State only restriction to avoid state modeling)	See c)(1)
d.	OAC rule 3745-17-11(B)(5)(b)	Emissions shall not exceed: 0.062 lb/MMBtu particulate emissions (PE)

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	40 CFR Part 63, Subpart ZZZZ	See b)(2)c.
f.	40 CFR Part 60, Subpart JJJJ (stationary, spark ignition, internal combustion engine subject to and operated in compliance with requirements established pursuant to 40 CFR Part 60, Subpart JJJJ including 60.4246 (General Provisions) identified in Table 3 of Subpart JJJJ)	Emissions shall not exceed: 2.0 g/hp-hr or 160 ppmvd at 15% O ₂ NO _x 4.0 g/hp-hr or 540 ppmvd at 15% O ₂ CO 1.0 g/hp-hr or 86 ppmvd at 15% O ₂ VOC See b)(2)d., c)(3), d)(4), e)(3)
g.	ORC 3704.03(F)	See d)(3)

(2) Additional Terms and Conditions

- a. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that Best Available Technology (BAT) is no longer required by state regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, paragraph (A)(3)(a)(ii) of OAC rule 3745-31-05 (the less than 10 tons per year BAT exemption) has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the U.S. EPA approves the revisions to OAC rule 3745-31-05(A)(3)(a)(ii), the requirement to satisfy BAT for pollutant(s) less than 10 tons per year still exists as part of the federally-approved SIP.
- b. The following paragraphs will apply when U.S. EPA approves OAC rule 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the SIP:
 - i. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the NO_x, CO, SO₂, PM₁₀, PM_{2.5}, and VOC emissions from this air contaminant source because the potential to emit for NO_x, CO, SO₂, PM₁₀, PM_{2.5}, and VOC are less than 10 tons per year considering the state only restriction established pursuant to OAC rule 3745-31-05(E), see b)(1)c. and c)(1).
 - ii. BAT for NO_x emissions are equivalent to the 40 CFR Part 60, Subpart JJJJ NO_x emission limitation. However, when the U.S. EPA approves OAC rule 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption), the 40 CFR Part 60, Subpart JJJJ emission limitation will remain effective. This does not relieve the permittee of any applicable requirements established pursuant to 40 CFR Part 60, Subpart JJJJ.
 - iii. BAT for VOC and CO emissions from this emission unit have been determined to be 0.004 g/bhp-hr and 1.3 g/bhp-hr, respectively, (achievable as designed according to the manufacturers' emission

guarantee), therefore, the BAT requirements for VOC and CO emissions are more stringent than the VOC and CO emission requirements established pursuant to 40 CFR Part 60, Subpart JJJJ. This does not relieve the permittee of any applicable requirements established pursuant to 40 CFR Part 60, Subpart JJJJ and instead the permittee shall demonstrate compliance with the more stringent BAT standards (0.004 g/bhp-hr VOC and 1.3 g/bhp-hr CO) in accordance with the applicable monitoring, recordkeeping, reporting and, if required, testing requirements identified as applicable.

c. This new, stationary RICE, located at an area source of HAPs, will comply with the requirements of 40 CFR, Part 63, Subpart ZZZZ by meeting the requirements of 40 CFR, Part 60, Subpart JJJJ.

(3) The permittee shall comply with the applicable emission limitations of 40 CFR Part 60, Subpart JJJJ, including the following:

60.4233	Emission Standards
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c) Operational Restrictions

- (1) The maximum annual hours of operation for this emission unit shall not exceed 500 hours year.
- (2) The permittee shall burn only natural gas in this emission unit.
- (3) The permittee shall comply with the applicable operational restrictions of 40 CFR Part 60, Subpart JJJJ, including the following:

60.4243	Compliance Requirements
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d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (2) The permittee shall maintain monthly hours of operation for this emission unit and then sum the monthly records into a calendar year format.
- (3) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires a permittee to apply for and obtain a new or modified PTIO prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air

contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new PTIO.

- (4) The permittee shall comply with the applicable monitoring and recordkeeping requirements of 40 CFR Part 60, Subpart JJJJ, including the following:

60.4237	Monitoring Requirements
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e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. all deviations from the state only restriction established in c)(1); and
 - b. the permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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

- (3) The permittee shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart JJJJ, including the following:

60.4245	Reporting/Recordkeeping
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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: 2.0 g/bhp-hr nitrogen oxides (NO_x)

Applicable Compliance Method: This emission limitation was derived from the manufacturer's emissions guarantee.

If required, NO_x emissions shall be determined according to Methods 7E or 20 of 40 CFR Part 60, Appendix A for NO_x: Method 19 of 40 CFR Part 60, Appendix A to calculate the NO_x emission rate in lb/MMBtu; and Methods 1 and 2 of 40 CFR Part 60, Appendix A, if applicable. Alternate U.S. EPA approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

- b. Emission Limitation: 1.3 g/bhp-hr carbon monoxide (CO) (as applicable prior to U.S. EPA approving OAC rule 3745-31-05(A)(3)(a)(ii) as part of the SIP)

Applicable Compliance Method: This emission limitation was derived from the manufacturer's emissions guarantee.

If required, CO emissions shall be determined according to test Methods 1-4 and 10 or 10B, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

- c. Emission Limitation: 0.04 g/bhp-hr volatile organic compounds (VOC) (as applicable prior to U.S. EPA approving OAC rule 3745-31-05(A)(3)(a)(ii) as part of the SIP)

Applicable Compliance Method: This emission limitation was derived from the manufacturer's emissions guarantee.

If required, VOC emissions shall be determined according to test Methods 1-4 and 25 or 25A, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved methods may be used with prior approval from Ohio EPA, Southeast District Office.

- d. Emission Limitation: 0.01 pound per million Btu (lb/MMBtu) of particulate emissions less than ten microns in diameter (PM₁₀) and 0.01 lb/MMBtu of particulate emissions less than 2.5 microns in diameter (PM_{2.5}) (as applicable prior to U.S. EPA approving OAC rule 3745-31-05(A)(3)(a)(ii) as part of the SIP)

Applicable Compliance Method: These emissions limitations are derived from the manufacturer's emissions guarantee.

If required, the permittee shall demonstrate compliance with the maximum outlet concentration limitation by testing in accordance with Methods 1-4 of 40 CFR, Part 60, Appendix A and Methods 201/201A of 40 CFR Part 51, Appendix M. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

- e. Emission Limitation: 0.06 lb/MMBtu of SO₂ (as applicable prior to U.S. EPA approving OAC rule 3745-31-05(A)(3)(a)(ii) as part of the SIP)

Applicable Compliance Method: This emission limitation is derived from the manufacturer's emissions guarantee.

If required, compliance shall be determined according to test Methods 1-4 and 6, 6A, 6B, or 6C, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved methods may be used with prior approval from Ohio EPA, Southeast District Office.



f. Emission Limitation: 0.062 lb/MMBtu particulate emissions

Applicable Compliance Method: Compliance is demonstrated by the manufacturer's emission guarantee.

If required, compliance shall be determined according to test Methods 1-5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

g. Emission Limitation: 4.0 g/hp-hr or 540 ppmvd at 15% O₂ CO

Applicable Compliance Method: If required, CO emissions shall be determined according to test Methods 1-4 and 10 or 10B, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

h. Emission Limitation: 1.0 g/hp-hr or 86 ppmvd at 15% O₂ VOC

i. Applicable Compliance Method: If required, VOC emissions shall be determined according to test Methods 1-4 and 25 or 25A, as set forth in the "Appendix on Test Methods: in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved methods may be used with prior approval from Ohio EPA, Southeast District Office.

(2) The permittee shall comply with any applicable testing requirements of 40 CFR Part 60, Subpart JJJJ, including the following:

60.4244	Emission Testing
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g) Miscellaneous Requirements

(1) None.

2. P801, P100

Operations, Property and/or Equipment Description:

Venting and blowdowns

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) d)(2)

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) <i>June 30, 2008</i>	Emissions shall not exceed: 2.13 pounds per hour and 9.31 tons per year volatile organic compounds (VOC) See b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) <i>June 30, 2008</i>	See b)(2)b.
c.	ORC 3704.03(F)	See d)(2)

(2) Additional Terms and Conditions

a. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that Best Available Technology (BAT) is no longer required by state regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, paragraph (A)(3)(a)(ii) of OAC rule 3745-31-05 (the less than 10 tons per year BAT exemption) has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the U.S. EPA approves the revisions to OAC rule 3745-31-05(A)(3)(a)(ii), the requirement to satisfy BAT for pollutant(s) less than 10 tons per year still exists as part of the federally-approved SIP.

- b. The following paragraphs will apply when U.S. EPA approves OAC rule 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the SIP:
 - i. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions from this air contaminant source because the potential to emit for VOC emissions is less than 10 tons per year.
 - ii. The monitoring and recordkeeping requirements identified in d)(1) do not apply, except that the permittee shall maintain the records necessary to satisfy the applicable fee emissions reporting requirements identified in the Standard Terms and Conditions.

- c) Operational Restrictions
 - (1) None.

- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall maintain the following records:
 - a. the number of actuators per turbine;
 - b. the actuator vent rate (scf/hr/actuator);
 - c. the number of dry seals per turbine;
 - d. the dry seal vent rate (scf/min/seal);
 - e. the hours of operation for each turbine;
 - f. the number and duration of startup/shutdown events for each turbine;
 - g. the blowdown emission rate per startup/shutdown event;
 - h. the hourly VOC emission rate (“a” * “b” + “c” * “d”); and
 - i. the yearly VOC emission rate (“h” * “e” + “f” * “g”)

 - (2) Modeling to demonstrate compliance with, the “Toxic Air Contaminant Statute”, ORC 3704.03(F)(4)(b), was not necessary because the emissions unit’s maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires a permittee to apply for and obtain a new or modified PTIO prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new PTIO.

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. all deviations from the VOC emission limitation in b)(1)a.

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

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:

Emission Limitation: 2.13 pounds per hour and 9.31 tons per year volatile organic compounds (VOC) (as applicable prior to the U.S. EPA approving OAC rule 3745-31-05(A)(3)(a)(ii) as part of the SIP).

Applicable Compliance Method: The VOC emission limitation was developed using information provided in application A0053696 (6/18/15), and the following equation:

$$\text{VOC} = (\# \text{ of actuators} * \text{ actuator vent rate}) + (\# \text{ of dry seals} * \text{ dry seal vent rate}) + (\# \text{ of startup/shutdown cycles} * \text{ scf per event}) * \text{ VOC ratio calculated from gas composition} / 8760 \text{ hrs/year}$$

Ongoing compliance is demonstrated through the use of the provided equation combined with the recordkeeping requirements established in d)(1).

g) Miscellaneous Requirements

- (1) None.

3. Emissions Unit Group -SoLoNOx Turbines: P001,P002,P003,

EU ID	Operations, Property and/or Equipment Description
P001	16,603hp, SoLoNOx equipped, NG fired, compressor turbine
P002	16,603hp, SoLoNOx equipped, NG fired, compressor turbine
P003	16,603hp, SoLoNOx equipped, NG fired, compressor turbine

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) b)(1)f., d)(3)

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) <i>June 30, 2008</i>	Install a turbine that is designed to meet the following: 15.0 parts per million (ppm) NO _x at 15% O ₂ 0.007 pound of particulate matter less than 10 microns in diameter (PM ₁₀) per MMBtu of heat input 0.007 pound of particulate matter less than 2.5 microns in diameter (PM _{2.5}) per MMBtu of heat input 0.007 pound of volatile organic compounds (VOC) per MMBtu of heat input 0.15 ton sulfur dioxide (SO ₂) per month, averaged over a twelve month rolling period See b)(2)a., b)(2)c.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) <i>June 30, 2008</i>	See b)(2)b.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-11(B)(4)	Particulate emissions shall not exceed 0.040 lb/MMBtu
d.	40 CFR Part 60, Subpart KKKK New, NG fired, 125.95 MMBtu/hr combustion turbine	Emissions shall not exceed: 25 ppm NO _x at 15% O ₂ or 150 ng/J of useful output SO ₂ emissions shall not exceed 110 nanograms per Joule (ng/J), or the permittee shall burn fuel which restrains potential sulfur emissions to less than 0.06 lb SO ₂ /MMBtu See b)(2)b.ii.
e.	40 CFR 60.1 – 60.19 Subpart A	General Provisions of 40 CFR Part 60
f.	ORC 3704.03(F)	See d)(3)
g.	ORC 3704.03(T)	Emissions shall not exceed: 3.94 tons of carbon monoxide (CO) per month, averaged over a twelve month rolling period

(2) Additional Terms and Conditions

- a. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that Best Available Technology (BAT) is no longer required by state regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, paragraph (A)(3)(a)(ii) of OAC rule 3745-31-05 (the less than 10 tons per year BAT exemption) has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the U.S. EPA approves the revisions to OAC rule 3745-31-05(A)(3)(a)(ii), the requirement to satisfy BAT for pollutant(s) less than 10 tons per year still exists as part of the federally-approved SIP.
- b. The following paragraphs will apply when U.S. EPA approves OAC rule 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the SIP:
 - i. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the SO₂, VOC, PM₁₀, and PM_{2.5} emissions from these air contaminant sources because the potential to emit for SO₂, VOC, PM₁₀, and PM_{2.5} is less than 10 tons per year.
 - ii. BAT for SO₂ emissions are equivalent to the 40 CFR Part 60, Subpart KKKK SO₂ emission limitation. However, when the U.S. EPA approves OAC rule 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT

exemption), the 40 CFR Part 60, Subpart KKKK emission limitation will remain effective. This does not relieve the permittee of any applicable requirements established pursuant to 40 CFR Part 60, Subpart KKKK.

- c. BAT for NO_x emissions from this emission unit has been determined to be 15 ppm of NO_x at 15% O₂ (achievable as designed according to manufacturers' emissions guarantee); therefore, the BAT requirements for NO_x emissions are more stringent than the NO_x emissions requirements established pursuant to 40 CFR Part 60, Subpart KKKK. This does not relieve the permittee of any applicable requirements established pursuant to 40 CFR Part 60, Subpart KKKK and instead the permittee shall demonstrate compliance with the more stringent BAT standard (15 ppm of NO_x at 15% O₂) in accordance with the applicable monitoring, recordkeeping, reporting, and testing requirements identified in 40 CFR Part 60, Subpart KKKK.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas in these emission units.
- (2) The permittee shall comply with the applicable operational restrictions of 40 CFR Part 60, Subpart KKKK, including the following:

60.4320	Emission limitations for NO _x
60.4330	Emission limitations for SO ₂
60.4333	General compliance requirements

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in these emission units.
- (2) The permittee shall comply with the applicable monitoring and recordkeeping requirements of 40 CFR Part 60, Subpart KKKK, including the following sections:

60.4340 60.4345 60.4350	NO _x Compliance
60.4360 60.4365 60.4370	SO ₂ Compliance/Fuel Content

- (3) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be

less than 1.0 ton per year. OAC Chapter 3745-31 requires a permittee to apply for and obtain a new or modified PTIO prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new PTIO.

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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

- (3) The permittee shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart KKKK, including the following sections:

60.4375 60.4380 60.4385	Reporting/Excess emissions
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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: 15 ppm NO_x at 15% O₂

Applicable Compliance Method: The required 40 CFR Part 60, Subpart KKKK initial compliance demonstration for NO_x shall serve as the compliance method. See f)(2), below.
 - b. Emission Limitation: 25 ppm NO_x at 15% O₂ or 150 ng/J of useful output

Applicable Compliance Method: Compliance shall be demonstrated based upon the emission testing requirements established in f)(2).
 - c. Emission Limitation: SO₂ emissions shall not exceed 110 nanograms per Joule (ng/J) or the permittee shall burn fuel which restrains potential sulfur emissions to less than 0.06 lb SO₂/MMBtu

Applicable Compliance Method: Compliance is demonstrated by burning only natural gas and through recordkeeping, monitoring, and reporting as required in 40 CFR 60.4360, 40 CFR 60.4365, and 40 CFR 60.4370.

- d. Emission Limitation: 0.007 pound of VOC per MMBtu of heat input (as applicable prior to U.S. EPA approving OAC rule 3745-31-05(A)(3)(a)(ii) as part of the SIP)

Applicable Compliance Method: This emissions limitation is derived from the turbine manufacturer's certified emissions guarantee.

If required, VOC emissions shall be determined according to test Methods 1-4 and 25 or 25A, as set forth in the "Appendix on Test Methods: in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved methods may be used with prior approval from Ohio EPA, Southeast District Office.

- e. Emission Limitation: 0.15 ton sulfur dioxide (SO₂) per month, averaged over a twelve month rolling period (as applicable prior to U.S. EPA approving OAC rule 3745-31-05(A)(3)(a)(ii) as part of the SIP)

Applicable Compliance Method: This emissions limitation is derived from AP-42 emission factors (Table 3.1-2a, Emission Factors for Criteria Pollutants and Greenhouse Gases From Stationary Gas Turbines, 4/00) * the MMBtu/hr value of the unit [126.3 MMBtu/hr (LHV)] / 2,000 lbs/ton / 12 months/year.

If required, compliance shall be determined according to test Methods 1-4 and 6, 6A, 6B, or 6C, as set forth in the "Appendix on Test Methods: in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved methods may be used with prior approval from Ohio EPA, Central District Office.

- f. Emission Limitation: 3.94 tons of carbon monoxide (CO) per month, averaged over a twelve month rolling period

Applicable Compliance Method: This emission limitation is derived from the turbine manufacturer's emission guarantee * the MMBtu/hr value of the unit / 2,000 lbs/ton / 12 months/year.

If required, CO emissions shall be determined according to test Methods 1-4 and 10 or 10B, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

- g. Emission Limitation: Particulate emissions shall not exceed 0.040 lb/MMBtu

Applicable Compliance Method: Compliance is demonstrated by the manufacturer's emission guarantee.

If required, compliance shall be determined according to test Methods 1-5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

- h. Emission Limitation: 0.007 pound of particulate matter less than 10 microns in diameter (PM_{10}) per MMBtu of heat input and 0.007 pound of particulate matter less than 2.5 microns in diameter ($PM_{2.5}$) per MMBtu of heat input (as applicable prior to the U.S. EPA approving OAC rule 3745-31-05(A)(3)(a)(ii) as part of the SIP)

Applicable Compliance Method: These emissions limitations are derived from the manufacturer's emissions guarantee.

If required, the permittee shall demonstrate compliance with the maximum outlet concentration limitation by testing in accordance with Methods 1-4 of 40 CFR, Part 60, Appendix A and Methods 201/201A of 40 CFR Part 51, Appendix M. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

- (2) Pursuant to 40 CFR 60.4340(A) and 40 CFR 60.4400, and OAC rule 3745-31-05(A)(3), the permittee shall conduct, or have conducted, emission testing for these emission units in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility.
- b. The emissions testing shall be conducted to demonstrate compliance with the NO_x emission limitation identified in 40 CFR 60.4320.
- c. Pursuant to 40 CFR 60.4400 and OAC rule 3745-31-05(A)(3), the following test methods shall be employed to demonstrate compliance with the allowable NO_x emission rate:

Methods 7E or 20 of 40 CFR Part 60, Appendix A for NO_x , Method 19 of 40 CFR Part 60, Appendix A, and Methods 1 and 2 of 40 CFR Part 60, Appendix A, if applicable. Alternate U.S. EPA approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

- d. 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 emission limits and/or control requirements, unless otherwise specified or approved by Ohio EPA, Southeast District Office as required by 40 CFR 60.4400(b). Although this generally consists of operating the emission units at their maximum material input/production rates and results in the highest emission

rate of the tested pollutant, there may be circumstances where a lower emission loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the results as a demonstration of compliance.

- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to Ohio EPA, Southeast District Office. The ITT notification shall describe in detail the proposed test methods and procedures, the emission units 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 Ohio EPA, Southeast District Office's refusal to accept the results of the emission test(s).
 - f. Personnel from Ohio EPA, Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emission units and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
 - g. A comprehensive written report on the results of the emission test(s) shall be signed by the person(s) responsible for the test(s) and submitted to Ohio EPA, Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal for the written report, where warranted, with prior approval from Ohio EPA, Southeast District Office.
- (3) The permittee shall comply with the applicable testing requirements of 40 CFR Part 60, Subpart KKKK, including the following sections:

60.4400 60.4405 60.4410	NO _x testing and compliance
60.4415	Initial and subsequent performance tests for SO ₂ (These requirements will not apply if the permittee qualifies for the 40 CFR 60.4365 exemption).

g) Miscellaneous Requirements

- (1) None.