State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

05/29/02

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

08-57-04-2072
DP&L Tait Generating Station
Robert L. Keller
9200 Chautauqua Road
Miamisburg, OH 45342-4103

Dear Robert L. Keller:

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

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

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

Environmental Review Appeals Commission
236 East Town Street
Room 300
Columbus, Ohio 43215

If you have any questions, please contact RAPCA.

Very truly yours,

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

cc: RAPCA
File, DAPC PMU

State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: **05/29/02**	Effective Date: **05/29/02**	Expiration Date: **05/29/07**

This document constitutes issuance of a Title V permit for Facility ID: 08-57-04-2072 to:
DP&L Tait Generating Station
2101 Arbor Boulevard
Moraine, OH 45439-1762

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

B001 (Tait CT-1) Natural gas-fired simple cycle, gas-combustion-turbine generator with No. 2 fuel oil backup; 1,115 MMBtu/hr maximum heat input; includes water injection NOx reduction system	B002 (Tait CT-2) Natural gas-fired simple cycle, gas-combustion-turbine generator with No. 2 fuel oil backup; 1,115 MMBtu/hr maximum heat input; includes water injection NOx reduction system B003 (Tait CT-3)	Natural gas-fired simple cycle, gas-combustion-turbine generator with No. 2 fuel oil backup; 1,115 MMBtu/hr maximum heat input; includes water injection and dry low-NOx combustor NOx reduction systems

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

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

RAPCA
451 West Third Street
PO Box 972
Dayton, OH 45422
(937) 225-4435

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Record Keeping and Reporting Requirements

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

i. The date, place (as defined in the permit), and time of sampling or measurements.
ii. The date(s) analyses were performed.
iii. The company or entity that performed the analyses.
iv. The analytical techniques or methods used.
v. The results of such analyses.
vi. The operating conditions existing at the time of sampling or measurement.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

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

i. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))
ii. 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 record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly

reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, record keeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

2. Scheduled Maintenance/Malfunction Reporting

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

Except as provided in OAC rule 3745-15-06, 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).
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iii))

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.
(Authority for term: OAC rule 3745-77-07(A)(4))

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.
(Authority for term: OAC rule 3745-77-07(A)(5))

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
(Authority for term: OAC rule 3745-77-07(A)(6))

6. General Requirements

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

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

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.10 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

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

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

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

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.
(Authority for term: OAC rule 3745-77-07(A)(8))

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

10. Reopening for Cause

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

a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

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

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

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

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

11. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.
(Authority for term: OAC rule 3745-77-07(B))

12. Compliance Requirements

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

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

   i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
   ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
   iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
   iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

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

   i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
   ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

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

   i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
   ii. Compliance certifications shall include the following:
      (a) An identification of each term or condition of this permit that is the basis of the certification.

(b) The permittee's current compliance status.
(c) Whether compliance was continuous or intermittent.
(d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
(e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

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

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

13. Permit Shield

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

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

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

14. Operational Flexibility

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

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

15. Emergencies

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

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

16. Off-Permit Changes

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

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

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

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

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

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

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

(For purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)
(Authority for term: OAC rule 3745-77-07(I))

17. Compliance Method Requirements

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

18. Insignificant Activities

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

19. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-07(A)(1))

20. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.
(Authority for term: OAC rule 3745-77-07(A)(1))

B. *State Only Enforceable Section*

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

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

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

2. Records Retention Requirements

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

3. Inspections and Information Requests

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

4. Scheduled Maintenance/Malfunction Reporting

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

5. Permit Transfers

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

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

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

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

None

B. State Only Enforceable Section

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Tait CT-1 (B001)

Activity Description: Natural gas-fired simple cycle, gas-combustion-turbine generator with No. 2 fuel oil backup; 1,115 MMBtu/hr maximum heat input; includes water injection NOx reduction system

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Natural gas and number two fuel oil-fired, simple cycle, combustion turbine, having a nominal capacity of 1115 mmBtu/hr and controlled with a water injection nitrogen oxides reduction system. CT-1.	40 CFR Part 52.21 (PTI 08-2507)	When combusting natural gas, PM/PM10 emissions shall not exceed 8 lbs/hr and 0.0072 lb/mmBtu. When combusting number two fuel oil, PM/PM10 emissions shall not exceed 15.0 lbs/hr and 0.013 lb/mmBtu. Total PM/PM10 emissions shall not exceed 15.5 tons/yr. When combusting natural gas, nitrogen oxides emissions shall not exceed 113 lbs/hr and 25 ppmvd at 15% oxygen, at peak load. When combusting number two fuel oil, nitrogen oxides emissions shall not exceed 195 lbs/hr and 42 ppmvd at 15% oxygen, at peak load. Total nitrogen oxides emissions shall not exceed 132 tons/yr, as a rolling, 365-day limitation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		Carbon monoxide emissions shall not exceed 2000 lbs/hr (maximum 1-hour limitation). When combusting natural gas, carbon monoxide emissions shall not exceed 1700 lbs/hr, based on a 30-day average. When combusting number two fuel oil, carbon monoxide emissions shall not exceed 350 lbs/hr, based on a 30-day average. Carbon monoxide emissions shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation. Carbon monoxide emissions from emissions units B001, B002, and B003 combined shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation.
	OAC rule 3745-31-05(D) (PTI 08-2507) synthetic minor limitations	Volatile organic compound emissions shall not exceed 10.0 lbs/hr and 15.0 tons/yr. When combusting number two fuel oil, sulfur dioxide emissions shall not exceed 0.022 lb/mmBtu and 12.4 tons/yr.
	OAC rule 3745-31-05(A)(3) (PTI 08-2507)	Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except for cold start-up and shutdown periods.
	40 CFR Part 75	See Sections A.III.1 and A.III.2 for the specific monitoring and record keeping requirements and Sections A.IV.1 and A.IV.2 for the specific reporting requirements.
	OAC rule 3745-16-02	See Section A.I.2.b below.
	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)(4) OAC rule 3745-18-06(E) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B) 40 CFR Part 60, Subpart GG	The emission limitations from these rules are less stringent than the emission limitations specified above.

2. Additional Terms and Conditions

2.a In accordance with 40 CFR Part 52.21, the permittee shall use water injection to reduce nitrogen oxides emissions to 25 ppmvd at 15% oxygen, at peak load, when burning natural gas, and 42 ppmvd at 15% oxygen, at peak load, when burning number two fuel oil.

2.b The minimum stack height for this emissions unit shall be at least 88 feet above the ground.

2.c Start-up shall be defined as the time necessary to bring a turbine on line from a no load condition to synchronization.

II. Operational Restrictions

1. The maximum number two fuel oil usage in this emissions unit shall not exceed 8,580,000 gallons, per rolling, 365-day period.

2. The maximum natural gas usage in this emissions unit shall not exceed 2,580,000 cubic feet, per rolling, 365-day period.

3. In lieu of complying with the natural gas usage restriction specified in Section A.II.2 above, the permittee may combust an additional 150 cubic feet of natural gas in this emissions unit for each gallon of number two fuel oil which is not combusted by this emissions unit. Under no circumstance shall the natural gas consumption exceed 3,870,000,000 cubic feet, per rolling, 365-day period.

4. The maximum sulfur content of the number two fuel oil and natural gas supplied to this emissions unit shall not exceed 0.02%, by weight.

5. The permittee shall be prohibited from combusting number two fuel oil in this emissions unit from April 1 through September 30 of each year, except under emergency conditions when natural gas supplies are not available. This exclusion is permitted contingent upon the submittal to the Director (the Regional Air Pollution Control Agency) of adequate documentation from the permittee that natural gas was not available.

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

7. Start-up shall not exceed a maximum of 30 minutes. Shutdown periods shall not exceed 30 minutes.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain equipment to continuously monitor and record sulfur dioxide emissions from this emissions unit, in units of the applicable standard(s), when combusting number two fuel oil. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 75.

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

The permittee shall maintain documentation from the USEPA or the Ohio EPA that the continuous sulfur dioxide monitoring system has been certified in accordance with 40 CFR Part 75. The letter of certification shall be made available to the Director upon request.

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

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

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

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

The permittee shall maintain on-site documentation from the USEPA or the Ohio EPA that the continuous nitrogen oxides monitoring system has been certified in accordance with 40 CFR Part 75. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous nitrogen oxides monitoring system: emissions of nitrogen oxides in ppmvd at 15% oxygen at peak load, lbs/hr on an hourly average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

3. The permittee shall operate and maintain equipment to continuously monitor and record carbon monoxide emissions from this emissions unit in units of the applicable standard(s). Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

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

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

The permittee shall maintain records of the following data obtained by the continuous carbon monoxide monitoring system: emissions of carbon monoxide in lbs/hr on an hourly average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

4. The permittee shall maintain hourly records of the total actual heat input values for this emissions unit, in mmBtu/hr. The total actual heat input values shall be determined using the applicable procedures specified in 40 CFR Part 75, Appendix F, Section 5.2.

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

a. the amount of number two fuel oil burned, in gallons;
b. the rolling, 365-day summation of the number two fuel oil usage, in gallons;
c. the amount of natural gas burned, in cubic feet;
d. the rolling, 365-day summation of the natural gas usage, in cubic feet;
e. the rolling, 365-day summation of the nitrogen oxides emissions, in tons;
f. the rolling, 365-day summation of the carbon monoxide emissions, in pounds or tons for this emissions unit; and
g. the rolling, 365-day summation of the carbon monoxide emissions, in pounds or tons for emissions units B001, B002, and B003.

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

a. the 30-day average, hourly carbon monoxide emission rate when the emissions unit is combusting natural gas;
b. the 30-day average, hourly carbon monoxide emission rate when the emissions unit is combusting number two fuel oil; and
c. the duration of all start-up and shutdown periods.

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

7. When the emissions unit is combusting natural gas or number two fuel oil and the nitrogen oxides continuous monitoring system is not operational, the permittee shall comply with the applicable missing data procedures specified in 40 CFR Part 75, Appendix D.

8. When number two fuel oil is delivered to the storage tanks, the permittee shall collect a daily composite sample from the storage tank(s) (consisting of a sample of each delivery or a composite sample of all deliveries within a single day) and shall have the composite sample analyzed for sulfur content. When natural gas or number two fuel oil is delivered without intermediate bulk storage, the sulfur content shall be analyzed daily or in accordance with an alternative custom fuel schedule approved by the Director pursuant to 40 CFR Part 60.334(b)(2). The sulfur content shall be determined according to the requirements of 40 CFR Part 60.335(e). The permittee shall maintain records of all sulfur content analyses performed pursuant to this term. This requirement shall not apply when the sulfur dioxide emissions are being monitored by the continuous sulfur dioxide monitoring system when combusting number two fuel oil.

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

IV. Reporting Requirements

1. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Regional Air Pollution Control Agency documenting the date, commencement and completion time, duration, magnitude, reason (if known), and corrective actions taken (if any), of all 1-hour average nitrogen oxides values in excess of the applicable nitrogen oxides emission limitation (lbs/hr) and of all nitrogen oxides concentration values in excess of the applicable nitrogen oxides emission limitation (ppmvd at peak load, at 15% oxygen).

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

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

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

IV. Reporting Requirements (continued)

2. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Regional Air Pollution Control Agency documenting the date, commencement and completion times, duration, magnitude, reason (if known), and corrective actions taken (if any), of all sulfur dioxide values in excess of the applicable sulfur dioxide emission limitation (lb/mmBtu).

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

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

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

3. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Regional Air Pollution Control Agency documenting the date, commencement and completion time, duration, magnitude, reason (if known), and corrective actions taken (if any), of all 1-hour average carbon monoxide values in excess of the applicable carbon monoxide emission limitation (lbs/hr).

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

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

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

IV. Reporting Requirements (continued)

4. The permittee shall notify the Director (the Regional Air Pollution Control Agency) in writing of any record which shows a deviation of:

a. the rolling, 365-day usage limitation for number two fuel oil;
b. the rolling, 365-day usage limitation for natural gas;
c. the rolling, 365-day tons per year nitrogen oxides emission limitation;
d. the 30-day average, hourly carbon monoxide emission limitation when the emissions unit was combusting natural gas;
e. the 30-day average, hourly carbon monoxide emission limitation when the emissions unit was combusting number two fuel oil;
f. the rolling, 365-day carbon monoxide emission limitation for this emissions unit;
g. the rolling, 365-day carbon monoxide emission limitation for emissions units B001, B002, and B003;
h. the maximum sulfur content of the number two fuel oil and/or natural gas; and
i. the allowable duration for all start-up and shutdown periods.

The notification shall include a copy of such a record and shall be sent to the Director (the Regional Air Pollution Control Agency) within 45 days after the deviation occurs.

5. The permittee shall submit annual reports that specify the total PM/PM10, volatile organic compound, and sulfur dioxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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

a. each day when a fuel other than natural gas and/or number two fuel oil was combusted in this emissions unit;
b. each day, except under the emergency conditions specified in Section A.II.5, when number two fuel oil was combusted in this emissions unit from April 1 through September 30 of each year; and
c. each day when the emissions unit was combusting natural gas or number two fuel oil, the nitrogen oxides continuous monitoring system was not operational, and the permittee did not comply with the applicable missing data procedures specified in 40 CFR Part 75, Appendix D.

Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

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

1.a Emission Limitations-
When combusting natural gas, PM/PM10 emissions shall not exceed 8 lbs/hr and 0.0072 lb/mmBtu.
When combusting number two fuel oil, PM/PM10 emissions shall not exceed 15.0 lbs/hr and 0.013 lb/mmBtu.

Applicable Compliance Method-
When combusting natural gas, compliance with the emission limitations specified above may be assumed due to the negligible amount of particulates generated during the combustion of natural gas.

When combusting number two fuel oil, compliance with the emission limitations specified above may be based upon an emission factor of 0.0062 lb/mmBtu multiplied by the heat input values from Section A.III.4. This emission factor was established based upon emission data from the initial compliance demonstration conducted for this emissions unit on May 10, 1995. If required, the permittee shall demonstrate compliance with these mass emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

V. Testing Requirements (continued)

1.b Emission Limitation-
Total PM/PM10 emissions shall not exceed 15.5 tons/yr.

Applicable Compliance Method-
Compliance with this limitation shall be determined through a summation of particulate emissions from the combustion of number two fuel oil and natural gas.

When the emissions unit is combusting number two fuel oil, the particulate emissions may be determined by multiplying the lb/mmBtu emission limitation by the total annual heat input for this emissions unit (summation of the hourly values from Section A.III.4).

When the emissions unit is combusting natural gas, the particulate emissions may be determined by multiplying the lb/mmBtu emission limitation by the total annual heat input for this emissions unit (summation of the hourly values from Section A.III.4).

1.c Emission Limitations-
When combusting natural gas, nitrogen oxides emissions shall not exceed 113 lbs/hr.
When combusting number two fuel oil, nitrogen oxides emissions shall not exceed 195 lbs/hr.

Applicable Compliance Method-
Compliance with these emission limitations may be based upon the records required pursuant to Section A.III.2. If required, the permittee shall demonstrate compliance with these mass emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 or 7E (the arithmetic average of 3, 1-hour test runs).

1.d Emission Limitations-
When combusting natural gas, nitrogen oxides emissions shall not exceed 25 ppmvd at peak load, at 15% oxygen.
When combusting number two fuel oil, nitrogen oxides emissions shall not exceed 42 ppmvd at peak load, at 15% oxygen.

Applicable Compliance Method-
Compliance may be based upon the records required pursuant to Sections A.III.2 and A.III.4. If required, the permittee shall demonstrate compliance with these mass emission limitations through emission tests performed at peak load in accordance with 40 CFR Part 60, Appendix A, Method 7 or 7E. The emissions unit load shall be corrected to ISO conditions using the appropriate equations supplied by the manufacturer of the emissions unit.

1.e Emission Limitation-
Total nitrogen oxides emissions shall not exceed 132 tons/yr, as a rolling, 365-day limitation.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.2 and A.III.5.

1.f Emission Limitation-
Carbon monoxide emissions shall not exceed 2000 lbs/hr (maximum 1-hour limitation).

Applicable Compliance Method-
Compliance may be based upon the records required pursuant to Section A.III.3. If required, the permittee shall demonstrate compliance with this mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

V. Testing Requirements (continued)

1.g Emission Limitations-
When combusting natural gas, carbon monoxide emissions shall not exceed 1700 lbs/hr, based on a 30-day average.
When combusting number two fuel oil, carbon monoxide emissions shall not exceed 350 lbs/hr, based on a 30-day average.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.3 and A.III.6.

1.h Emission Limitation-
Carbon monoxide emissions shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.3 and A.III.5.

1.i Emission Limitation-
Carbon monoxide emissions from emissions units B001, B002, and B003 combined shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.3 and A.III.5.

1.j Emission Limitation-
Volatile organic compound emissions shall not exceed 10.0 lbs/hr.

Applicable Compliance Method-
Compliance with this emission limitation may be determined using the following emission factors and the records required pursuant to Section A.III.4. 0.004 lb/mmBtu when the emissions unit is combusting natural gas and 0.003 lb/mmBtu when the emissions unit is combusting number two fuel oil. These emission factors were established based upon emission data from the initial compliance demonstration conducted for this emissions unit on May 10, 1995. If required, the permittee shall demonstrate compliance with this mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

1.k Emission Limitation-
Volatile organic compound emissions shall not exceed 15.0 tons/yr.

Applicable Compliance Method-
Compliance with this limitation shall be determined through a summation of volatile organic compound emissions from the combustion of number two fuel oil and natural gas.

The volatile organic compound emissions may be determined by multiplying the applicable lb/mmBtu emission factor from the most recent emission test that demonstrated that the emissions unit was in compliance by the total annual heat input for each fuel (summation of the hourly values from Section A.III.4).

1.l Emission Limitation-
When combusting number two fuel oil, sulfur dioxide emissions shall not exceed 0.022 lb/mmBtu.

Applicable Compliance Method-
Compliance may be based upon the records required pursuant to Section A.III.1. If required, the permittee shall demonstrate compliance with this mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6C.

V. Testing Requirements (continued)

1.m Emission Limitation-
When combusting number two fuel oil, sulfur dioxide emissions shall not exceed 12.4 tons/yr.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.1, A.III.4, and A.III.5.

1.n Emission Limitation-
Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except for cold start-up and shutdown periods.

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

VI. Miscellaneous Requirements

1. The quality assurance/quality control plan for the continuous nitrogen oxides and sulfur dioxide monitoring systems, required pursuant to 40 CFR Part 75, Appendix B, must be made available during scheduled inspections and upon request by the Ohio EPA and/or Regional Air Pollution Control Agency.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Natural gas and number two fuel oil-fired, simple cycle, combustion turbine, having a nominal capacity of 1115 mmBtu/hr and controlled with a water injection nitrogen oxides reduction system. CT-1.		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. A logbook documenting activities relating to the continuous carbon monoxide monitoring system must be kept on site and available for inspection during regular office hours.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Tait CT-2 (B002)

Activity Description: Natural gas-fired simple cycle, gas-combustion-turbine generator with No. 2 fuel oil backup; 1,115 MMBtu/hr maximum heat input; includes water injection NOx reduction system

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Natural gas and number two fuel oil-fired, simple cycle, combustion turbine, having a nominal capacity of 1115 mmBtu/hr and controlled with a water injection nitrogen oxides reduction system. CT-2.	40 CFR Part 52.21 (PTI 08-2507)	When combusting natural gas, PM/PM10 emissions shall not exceed 8 lbs/hr and 0.0072 lb/mmBtu. When combusting number two fuel oil, PM/PM10 emissions shall not exceed 15.0 lbs/hr and 0.013 lb/mmBtu. Total PM/PM10 emissions shall not exceed 15.5 tons/yr. When combusting natural gas, nitrogen oxides emissions shall not exceed 113 lbs/hr and 25 ppmvd at 15% oxygen, at peak load. When combusting number two fuel oil, nitrogen oxides emissions shall not exceed 195 lbs/hr and 42 ppmvd at 15% oxygen, at peak load. Total nitrogen oxides emissions shall not exceed 132 tons/yr, as a rolling, 365-day limitation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		Carbon monoxide emissions shall not exceed 2000 lbs/hr (maximum 1-hour limitation). When combusting natural gas, carbon monoxide emissions shall not exceed 1700 lbs/hr, based on a 30-day average. When combusting number two fuel oil, carbon monoxide emissions shall not exceed 350 lbs/hr, based on a 30-day average. Carbon monoxide emissions shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation. Carbon monoxide emissions from emissions units B001, B002, and B003 combined shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation.
	OAC rule 3745-31-05(D) (PTI 08-2507) synthetic minor limitations	Volatile organic compound emissions shall not exceed 10.0 lbs/hr and 15.0 tons/yr. When combusting number two fuel oil, sulfur dioxide emissions shall not exceed 0.022 lb/mmBtu and 12.4 tons/yr.
	OAC rule 3745-31-05(A)(3) (PTI 08-2507)	Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except for cold start-up and shutdown periods.
	40 CFR Part 75	See Sections A.III.1 and A.III.2 for the specific monitoring and record keeping requirements and Sections A.IV.1 and A.IV.2 for the specific reporting requirements.
	OAC rule 3745-16-02	See Section A.I.2.b below.
	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)(4) OAC rule 3745-18-06(E) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B) 40 CFR Part 60, Subpart GG	The emission limitations from these rules are less stringent than the emission limitations specified above.

2. Additional Terms and Conditions

2.a In accordance with 40 CFR Part 52.21, the permittee shall use water injection to reduce nitrogen oxides emissions to 25 ppmvd at 15% oxygen, at peak load, when burning natural gas, and 42 ppmvd at 15% oxygen, at peak load, when burning number two fuel oil.

2.b The minimum stack height for this emissions unit shall be at least 88 feet above the ground.

2.c Start-up shall be defined as the time necessary to bring a turbine on line from a no load condition to synchronization.

II. Operational Restrictions

1. The maximum number two fuel oil usage in this emissions unit shall not exceed 8,580,000 gallons, per rolling, 365-day period.

2. The maximum natural gas usage in this emissions unit shall not exceed 2,580,000 cubic feet, per rolling, 365-day period.

3. In lieu of complying with the natural gas usage restriction specified in Section A.II.2 above, the permittee may combust an additional 150 cubic feet of natural gas in this emissions unit for each gallon of number two fuel oil which is not combusted by this emissions unit. Under no circumstance shall the natural gas consumption exceed 3,870,000,000 cubic feet, per rolling, 365-day period.

4. The maximum sulfur content of the number two fuel oil and natural gas supplied to this emissions unit shall not exceed 0.02%, by weight.

5. The permittee shall be prohibited from combusting number two fuel oil in this emissions unit from April 1 through September 30 of each year, except under emergency conditions when natural gas supplies are not available. This exclusion is permitted contingent upon the submittal to the Director (the Regional Air Pollution Control Agency) of adequate documentation from the permittee that natural gas was not available.

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

7. Start-up shall not exceed a maximum of 30 minutes. Shutdown periods shall not exceed 30 minutes.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain equipment to continuously monitor and record sulfur dioxide emissions from this emissions unit, in units of the applicable standard(s), when combusting number two fuel oil. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 75.

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

The permittee shall maintain documentation from the USEPA or the Ohio EPA that the continuous sulfur dioxide monitoring system has been certified in accordance with 40 CFR Part 75. The letter of certification shall be made available to the Director upon request.

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

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

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

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

The permittee shall maintain on-site documentation from the USEPA or the Ohio EPA that the continuous nitrogen oxides monitoring system has been certified in accordance with 40 CFR Part 75. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous nitrogen oxides monitoring system: emissions of nitrogen oxides in ppmvd at 15% oxygen at peak load, lbs/hr on an hourly average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

3. The permittee shall operate and maintain equipment to continuously monitor and record carbon monoxide emissions from this emissions unit in units of the applicable standard(s). Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

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

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

The permittee shall maintain records of the following data obtained by the continuous carbon monoxide monitoring system: emissions of carbon monoxide in lbs/hr on an hourly average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

4. The permittee shall maintain hourly records of the total actual heat input values for this emissions unit, in mmBtu/hr. The total actual heat input values shall be determined using the applicable procedures specified in 40 CFR Part 75, Appendix F, Section 5.2.

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

a. the amount of number two fuel oil burned, in gallons;
b. the rolling, 365-day summation of the number two fuel oil usage, in gallons;
c. the amount of natural gas burned, in cubic feet;
d. the rolling, 365-day summation of the natural gas usage, in cubic feet;
e. the rolling, 365-day summation of the nitrogen oxides emissions, in tons;
f. the rolling, 365-day summation of the carbon monoxide emissions, in pounds or tons for this emissions unit; and
g. the rolling, 365-day summation of the carbon monoxide emissions, in pounds or tons for emissions units B001, B002, and B003.

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

a. the 30-day average, hourly carbon monoxide emission rate when the emissions unit is combusting natural gas;
b. the 30-day average, hourly carbon monoxide emission rate when the emissions unit is combusting number two fuel oil; and
c. the duration of all start-up and shutdown periods.

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

7. When the emissions unit is combusting natural gas or number two fuel oil and the nitrogen oxides continuous monitoring system is not operational, the permittee shall comply with the applicable missing data procedures specified in 40 CFR Part 75, Appendix D.

8. When number two fuel oil is delivered to the storage tanks, the permittee shall collect a daily composite sample from the storage tank(s) (consisting of a sample of each delivery or a composite sample of all deliveries within a single day) and shall have the composite sample analyzed for sulfur content. When natural gas or number two fuel oil is delivered without intermediate bulk storage, the sulfur content shall be analyzed daily or in accordance with an alternative custom fuel schedule approved by the Director pursuant to 40 CFR Part 60.334(b)(2). The sulfur content shall be determined according to the requirements of 40 CFR Part 60.335(e). The permittee shall maintain records of all sulfur content analyses performed pursuant to this term. This requirement shall not apply when the sulfur dioxide emissions are being monitored by the continuous sulfur dioxide monitoring system when combusting number two fuel oil.

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

IV. Reporting Requirements

1. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Regional Air Pollution Control Agency documenting the date, commencement and completion time, duration, magnitude, reason (if known), and corrective actions taken (if any), of all 1-hour average nitrogen oxides values in excess of the applicable nitrogen oxides emission limitation (lbs/hr) and of all nitrogen oxides concentration values in excess of the applicable nitrogen oxides emission limitation (ppmvd at peak load, at 15% oxygen).

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

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

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

IV. Reporting Requirements (continued)

2. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Regional Air Pollution Control Agency documenting the date, commencement and completion times, duration, magnitude, reason (if known), and corrective actions taken (if any), of all sulfur dioxide values in excess of the applicable sulfur dioxide emission limitation (lb/mmBtu).

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

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

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

3. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Regional Air Pollution Control Agency documenting the date, commencement and completion time, duration, magnitude, reason (if known), and corrective actions taken (if any), of all 1-hour average carbon monoxide values in excess of the applicable carbon monoxide emission limitation (lbs/hr).

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

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

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

IV. Reporting Requirements (continued)

4. The permittee shall notify the Director (the Regional Air Pollution Control Agency) in writing of any record which shows a deviation of:

a. the rolling, 365-day usage limitation for number two fuel oil;
b. the rolling, 365-day usage limitation for natural gas;
c. the rolling, 365-day tons per year nitrogen oxides emission limitation;
d. the 30-day average, hourly carbon monoxide emission limitation when the emissions unit was combusting natural gas;
e. the 30-day average, hourly carbon monoxide emission limitation when the emissions unit was combusting number two fuel oil;
f. the rolling, 365-day carbon monoxide emission limitation for this emissions unit;
g. the rolling, 365-day carbon monoxide emission limitation for emissions units B001, B002, and B003;
h. the maximum sulfur content of the number two fuel oil and/or natural gas; and
i. the allowable duration for all start-up and shutdown periods.

The notification shall include a copy of such a record and shall be sent to the Director (the Regional Air Pollution Control Agency) within 45 days after the deviation occurs.

5. The permittee shall submit annual reports that specify the total PM/PM10, volatile organic compound, and sulfur dioxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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

a. each day when a fuel other than natural gas and/or number two fuel oil was combusted in this emissions unit;
b. each day, except under the emergency conditions specified in Section A.II.5, when number two fuel oil was combusted in this emissions unit from April 1 through September 30 of each year; and
c. each day when the emissions unit was combusting natural gas or number two fuel oil, the nitrogen oxides continuous monitoring system was not operational, and the permittee did not comply with the applicable missing data procedures specified in 40 CFR Part 75, Appendix D.

Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

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

1.a Emission Limitations-
When combusting natural gas, PM/PM10 emissions shall not exceed 8 lbs/hr and 0.0072 lb/mmBtu.
When combusting number two fuel oil, PM/PM10 emissions shall not exceed 15.0 lbs/hr and 0.013 lb/mmBtu.

Applicable Compliance Method-
When combusting natural gas, compliance with the emission limitations specified above may be assumed due to the negligible amount of particulates generated during the combustion of natural gas.

When combusting number two fuel oil, compliance with the emission limitations specified above may be based upon an emission factor of 0.0062 lb/mmBtu multiplied by the heat input values from Section A.III.4. This emission factor was established based upon emission data from the initial compliance demonstration conducted for this emissions unit on May 10, 1995. If required, the permittee shall demonstrate compliance with these mass emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

V. Testing Requirements (continued)

1.b Emission Limitation-
Total PM/PM10 emissions shall not exceed 15.5 tons/yr.

Applicable Compliance Method-
Compliance with this limitation shall be determined through a summation of particulate emissions from the combustion of number two fuel oil and natural gas.

When the emissions unit is combusting number two fuel oil, the particulate emissions may be determined by multiplying the lb/mmBtu emission limitation by the total annual heat input for this emissions unit (summation of the hourly values from Section A.III.4).

When the emissions unit is combusting natural gas, the particulate emissions may be determined by multiplying the lb/mmBtu emission limitation by the total annual heat input for this emissions unit (summation of the hourly values from Section A.III.4).

1.c Emission Limitations-
When combusting natural gas, nitrogen oxides emissions shall not exceed 113 lbs/hr.
When combusting number two fuel oil, nitrogen oxides emissions shall not exceed 195 lbs/hr.

Applicable Compliance Method-
Compliance with these emission limitations may be based upon the records required pursuant to Section A.III.2. If required, the permittee shall demonstrate compliance with these mass emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 or 7E (the arithmetic average of 3, 1-hour test runs).

1.d Emission Limitations-
When combusting natural gas, nitrogen oxides emissions shall not exceed 25 ppmvd at peak load, at 15% oxygen.
When combusting number two fuel oil, nitrogen oxides emissions shall not exceed 42 ppmvd at peak load, at 15% oxygen.

Applicable Compliance Method-
Compliance may be based upon the records required pursuant to Sections A.III.2 and A.III.4. If required, the permittee shall demonstrate compliance with these mass emission limitations through emission tests performed at peak load in accordance with 40 CFR Part 60, Appendix A, Method 7 or 7E. The emissions unit load shall be corrected to ISO conditions using the appropriate equations supplied by the manufacturer of the emissions unit.

1.e Emission Limitation-
Total nitrogen oxides emissions shall not exceed 132 tons/yr, as a rolling, 365-day limitation.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.2 and A.III.5.

1.f Emission Limitation-
Carbon monoxide emissions shall not exceed 2000 lbs/hr (maximum 1-hour limitation).

Applicable Compliance Method-
Compliance may be based upon the records required pursuant to Section A.III.3. If required, the permittee shall demonstrate compliance with this mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

V. Testing Requirements (continued)

1.g Emission Limitations-
When combusting natural gas, carbon monoxide emissions shall not exceed 1700 lbs/hr, based on a 30-day average.
When combusting number two fuel oil, carbon monoxide emissions shall not exceed 350 lbs/hr, based on a 30-day average.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.3 and A.III.6.

1.h Emission Limitation-
Carbon monoxide emissions shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.3 and A.III.5.

1.i Emission Limitation-
Carbon monoxide emissions from emissions units B001, B002, and B003 combined shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.3 and A.III.5.

1.j Emission Limitation-
Volatile organic compound emissions shall not exceed 10.0 lbs/hr.

Applicable Compliance Method-
Compliance with this emission limitation may be determined using the following emission factors and the records required pursuant to Section A.III.4. 0.004 lb/mmBtu when the emissions unit is combusting natural gas and 0.003 lb/mmBtu when the emissions unit is combusting number two fuel oil. These emission factors were established based upon emission data from the initial compliance demonstration conducted for this emissions unit on May 10, 1995. If required, the permittee shall demonstrate compliance with this mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

1.k Emission Limitation-
Volatile organic compound emissions shall not exceed 15.0 tons/yr.

Applicable Compliance Method-
Compliance with this limitation shall be determined through a summation of volatile organic compound emissions from the combustion of number two fuel oil and natural gas.

The volatile organic compound emissions may be determined by multiplying the applicable lb/mmBtu emission factor from the most recent emission test that demonstrated that the emissions unit was in compliance by the total annual heat input for each fuel (summation of the hourly values from Section A.III.4).

1.l Emission Limitation-
When combusting number two fuel oil, sulfur dioxide emissions shall not exceed 0.022 lb/mmBtu.

Applicable Compliance Method-
Compliance may be based upon the records required pursuant to Section A.III.1. If required, the permittee shall demonstrate compliance with this mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6C.

V. Testing Requirements (continued)

1.m Emission Limitation-
When combusting number two fuel oil, sulfur dioxide emissions shall not exceed 12.4 tons/yr.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.1, A.III.4, and A.III.5.

1.n Emission Limitation-
Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except for cold start-up and shutdown periods.

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

VI. Miscellaneous Requirements

1. The quality assurance/quality control plan for the continuous nitrogen oxides and sulfur dioxide monitoring systems, required pursuant to 40 CFR Part 75, Appendix B, must be made available during scheduled inspections and upon request by the Ohio EPA and/or Regional Air Pollution Control Agency.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Natural gas and number two fuel oil-fired, simple cycle, combustion turbine, having a nominal capacity of 1115 mmBtu/hr and controlled with a water injection nitrogen oxides reduction system. CT-2.		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. A logbook documenting activities relating to the continuous carbon monoxide monitoring system must be kept on site and available for inspection during regular office hours.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Tait CT-3 (B003)

Activity Description: Natural gas-fired simple cycle, gas-combustion-turbine generator with No. 2 fuel oil backup; 1,115 MMBtu/hr maximum heat input; includes water injection and dry low-NOx combustor NOx reduction systems

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Natural gas and number two fuel oil-fired, simple cycle, combustion turbine, having a nominal capacity of 1115 mmBtu/hr and controlled with a dry-low NOx combustor and water injection nitrogen oxides reduction system. CT-3.	40 CFR Part 52.21 (PTI 08-2507)	When combusting natural gas, PM/PM10 emissions shall not exceed 8 lbs/hr and 0.0072 lb/mmBtu. When combusting number two fuel oil, PM/PM10 emissions shall not exceed 15.0 lbs/hr and 0.013 lb/mmBtu. Total PM/PM10 emissions shall not exceed 15.5 tons/yr. When combusting natural gas, nitrogen oxides emissions shall not exceed 62.0 lbs/hr and 15 ppmvd at 15% oxygen, at peak load. When combusting number two fuel oil, nitrogen oxides emissions shall not exceed 195 lbs/hr and 42 ppmvd at 15% oxygen, at peak load. Total nitrogen oxides emissions shall not exceed 110 tons/yr, as a rolling, 12-month limitation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		Carbon monoxide emissions shall not exceed 175 lbs/hr (maximum 1-hour limitation). When combusting natural gas, carbon monoxide emissions shall not exceed 75 lbs/hr, based on a 30-day average. When combusting number two fuel oil, carbon monoxide emissions shall not exceed 150 lbs/hr, based on a 30-day average. Carbon monoxide emissions shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation. Carbon monoxide emissions from emissions units B001, B002, and B003 combined shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation.
	OAC rule 3745-31-05(D) (PTI 08-2507) synthetic minor limitations	Volatile organic compound emissions shall not exceed 10.0 lbs/hr and 15.0 tons/yr. When combusting number two fuel oil, sulfur dioxide emissions shall not exceed 0.022 lb/mmBtu and 12.4 tons/yr.
	OAC rule 3745-31-05(A)(3) (PTI 08-2507)	Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except for cold start-up and shutdown periods.
	40 CFR Part 75	See Sections A.III.1 and A.III.2 for the specific monitoring and record keeping requirements and Sections A.IV.1 and A.IV.2 for the specific reporting requirements.
	OAC rule 3745-16-02	See Section A.I.2.b below.
	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)(4) OAC rule 3745-18-06(E) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B) 40 CFR Part 60, Subpart GG	The emission limitations from these rules are less stringent than the emission limitations specified above.

2. Additional Terms and Conditions

2.a In accordance with 40 CFR Part 52.21, the permittee shall use water injection to reduce nitrogen oxides emissions to 15 ppmvd at 15% oxygen, at peak load, when burning natural gas, and 42 ppmvd at 15% oxygen, at peak load, when burning number two fuel oil.

2.b The minimum stack height for this emissions unit shall be at least 88 feet above the ground.

2.c Start-up shall be defined as the time necessary to bring a turbine on line from a no load condition to synchronization.

II. Operational Restrictions

1. The maximum number two fuel oil usage in this emissions unit shall not exceed 8,580,000 gallons, per rolling, 365-day period.

2. The maximum natural gas usage in this emissions unit shall not exceed 2,580,000 cubic feet, per rolling, 365-day period.

3. In lieu of complying with the natural gas usage restriction specified in Section A.II.2 above, the permittee may combust an additional 150 cubic feet of natural gas in this emissions unit for each gallon of number two fuel oil which is not combusted by this emissions unit. Under no circumstance shall the natural gas consumption exceed 3,870,000,000 cubic feet, per rolling, 365-day period.

4. The maximum sulfur content of the number two fuel oil and natural gas supplied to this emissions unit shall not exceed 0.02%, by weight.

5. The permittee shall be prohibited from combusting number two fuel oil in this emissions unit from April 1 through September 30 of each year, except under emergency conditions when natural gas supplies are not available. This exclusion is permitted contingent upon the submittal to the Director (the Regional Air Pollution Control Agency) of adequate documentation from the permittee that natural gas was not available.

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

7. Start-up shall not exceed a maximum of 30 minutes. Shutdown periods shall not exceed 30 minutes.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain equipment to continuously monitor and record sulfur dioxide emissions from this emissions unit, in units of the applicable standard(s), when combusting number two fuel oil. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 75.

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

The permittee shall maintain documentation from the USEPA or the Ohio EPA that the continuous sulfur dioxide monitoring system has been certified in accordance with 40 CFR Part 75. The letter of certification shall be made available to the Director upon request.

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

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

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

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

The permittee shall maintain on-site documentation from the USEPA or the Ohio EPA that the continuous nitrogen oxides monitoring system has been certified in accordance with 40 CFR Part 75. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous nitrogen oxides monitoring system: emissions of nitrogen oxides in ppmvd at 15% oxygen at peak load, lbs/hr on an hourly average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

3. The permittee shall operate and maintain equipment to continuously monitor and record carbon monoxide emissions from this emissions unit in units of the applicable standard(s). Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

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

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

The permittee shall maintain records of the following data obtained by the continuous carbon monoxide monitoring system: emissions of carbon monoxide in lbs/hr on an hourly average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

4. The permittee shall maintain hourly records of the total actual heat input values for this emissions unit, in mmBtu/hr. The total actual heat input values shall be determined using the applicable procedures specified in 40 CFR Part 75, Appendix F, Section 5.2.

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

a. the amount of number two fuel oil burned, in gallons;
b. the rolling, 365-day summation of the number two fuel oil usage, in gallons;
c. the amount of natural gas burned, in cubic feet;
d. the rolling, 365-day summation of the natural gas usage, in cubic feet;
e. the rolling, 365-day summation of the carbon monoxide emissions, in pounds or tons for this emissions unit; and
f. the rolling, 365-day summation of the carbon monoxide emissions, in pounds or tons for emissions units B001, B002, and B003.

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

a. the 30-day average, hourly carbon monoxide emission rate when the emissions unit is combusting natural gas;
b. the 30-day average, hourly carbon monoxide emission rate when the emissions unit is combusting number two fuel oil;
c. the total nitrogen oxides emission rate, in pounds or tons;
d. the rolling, 12-month summation of the nitrogen oxides emissions; and
e. the duration of all start-up and shutdown periods.

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

7. When the emissions unit is combusting natural gas or number two fuel oil and the nitrogen oxides continuous monitoring system is not operational, the permittee shall comply with the applicable missing data procedures specified in 40 CFR Part 75, Appendix D.

8. When number two fuel oil is delivered to the storage tanks, the permittee shall collect a daily composite sample from the storage tank(s) (consisting of a sample of each delivery or a composite sample of all deliveries within a single day) and shall have the composite sample analyzed for sulfur content. When natural gas or number two fuel oil is delivered without intermediate bulk storage, the sulfur content shall be analyzed daily or in accordance with an alternative custom fuel schedule approved by the Director pursuant to 40 CFR Part 60.334(b)(2). The sulfur content shall be determined according to the requirements of 40 CFR Part 60.335(e). The permittee shall maintain records of all sulfur content analyses performed pursuant to this term. This requirement shall not apply when the sulfur dioxide emissions are being monitored by the continuous sulfur dioxide monitoring system when combusting number two fuel oil.

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

IV. Reporting Requirements

1. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Regional Air Pollution Control Agency documenting the date, commencement and completion time, duration, magnitude, reason (if known), and corrective actions taken (if any), of all 1-hour average nitrogen oxides values in excess of the applicable nitrogen oxides emission limitation (lbs/hr) and of all nitrogen oxides concentration values in excess of the applicable nitrogen oxides emission limitation (ppmvd at peak load, at 15% oxygen).

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

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

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

IV. Reporting Requirements (continued)

2. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Regional Air Pollution Control Agency documenting the date, commencement and completion times, duration, magnitude, reason (if known), and corrective actions taken (if any), of all sulfur dioxide values in excess of the applicable sulfur dioxide emission limitation (lb/mmBtu).

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

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

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

3. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Regional Air Pollution Control Agency documenting the date, commencement and completion time, duration, magnitude, reason (if known), and corrective actions taken (if any), of all 1-hour average carbon monoxide values in excess of the applicable carbon monoxide emission limitation (lbs/hr).

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

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

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

IV. Reporting Requirements (continued)

4. The permittee shall notify the Director (the Regional Air Pollution Control Agency) in writing of any record which shows a deviation of:

a. the rolling, 365-day usage limitation for number two fuel oil;
b. the rolling, 365-day usage limitation for natural gas;
c. the rolling, 12-month nitrogen oxides emission limitation;
d. the 30-day average, hourly carbon monoxide emission limitation when the emissions unit was combusting natural gas;
e. the 30-day average, hourly carbon monoxide emission limitation when the emissions unit was combusting number two fuel oil;
f. the rolling, 365-day carbon monoxide emission limitation for this emissions unit;
g. the rolling, 365-day carbon monoxide emission limitation for emissions units B001, B002, and B003;
h. the maximum sulfur content of the number two fuel oil and/or natural gas; and
i. the allowable duration for all start-up and shutdown periods.

The notification shall include a copy of such a record and shall be sent to the Director (the Regional Air Pollution Control Agency) within 45 days after the deviation occurs.

5. The permittee shall submit annual reports that specify the total PM/PM10, volatile organic compound, and sulfur dioxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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

a. each day when a fuel other than natural gas and/or number two fuel oil was combusted in this emissions unit;
b. each day, except under the emergency conditions specified in Section A.II.5, when number two fuel oil was combusted in this emissions unit from April 1 through September 30 of each year; and
c. each day when the emissions unit was combusting natural gas or number two fuel oil, the nitrogen oxides continuous monitoring system was not operational, and the permittee did not comply with the applicable missing data procedures specified in 40 CFR Part 75, Appendix D.

Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

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

1.a Emission Limitations-
When combusting natural gas, PM/PM10 emissions shall not exceed 8 lbs/hr and 0.0072 lb/mmBtu.
When combusting number two fuel oil, PM/PM10 emissions shall not exceed 15.0 lbs/hr and 0.013 lb/mmBtu.

Applicable Compliance Method-
When combusting natural gas, compliance with the emission limitations specified above may be assumed due to the negligible amount of particulates generated during the combustion of natural gas.

When combusting number two fuel oil, compliance with the emission limitations specified above may be based upon an emission factor of 0.0046 lb/mmBtu multiplied by the heat input values from Section A.III.4. This emission factor was established based upon emission data from the initial compliance demonstration conducted for this emissions unit on February 12, 1997. If required, the permittee shall demonstrate compliance with these mass emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

V. Testing Requirements (continued)

1.b Emission Limitation-
Total PM/PM10 emissions shall not exceed 15.5 tons/yr.

Applicable Compliance Method-
Compliance with this limitation shall be determined through a summation of particulate emissions from the combustion of number two fuel oil and natural gas.

When the emissions unit is combusting number two fuel oil, the particulate emissions may be determined by multiplying the lb/mmBtu emission limitation by the total annual heat input for this emissions unit (summation of the hourly values from Section A.III.4).

When the emissions unit is combusting natural gas, the particulate emissions may be determined by multiplying the lb/mmBtu emission limitation by the total annual heat input for this emissions unit (summation of the hourly values from Section A.III.4).

1.c Emission Limitations-
When combusting natural gas, nitrogen oxides emissions shall not exceed 62.0 lbs/hr.
When combusting number two fuel oil, nitrogen oxides emissions shall not exceed 195 lbs/hr.

Applicable Compliance Method-
Compliance with these emission limitations may be based upon the records required pursuant to Section A.III.2. If required, the permittee shall demonstrate compliance with these mass emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 or 7E (the arithmetic average of 3, 1-hour test runs).

1.d Emission Limitations-
When combusting natural gas, nitrogen oxides emissions shall not exceed 15 ppmvd at peak load, at 15% oxygen.
When combusting number two fuel oil, nitrogen oxides emissions shall not exceed 42 ppmvd at peak load, at 15% oxygen.

Applicable Compliance Method-
Compliance may be based upon the records required pursuant to Sections A.III.2 and A.III.4. If required, the permittee shall demonstrate compliance with these mass emission limitations through emission tests performed at peak load in accordance with 40 CFR Part 60, Appendix A, Method 7 or 7E. The emissions unit load shall be corrected to ISO conditions using the appropriate equations supplied by the manufacturer of the emissions unit.

1.e Emission Limitation-
Total nitrogen oxides emissions shall not exceed 110 tons/yr, as a rolling, 12-month limitation.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.2 and A.III.6.

1.f Emission Limitation-
Carbon monoxide emissions shall not exceed 175 lbs/hr (maximum 1-hour limitation).

Applicable Compliance Method-
Compliance may be based upon the records required pursuant to Section A.III.3. If required, the permittee shall demonstrate compliance with this mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

V. Testing Requirements (continued)

1.g Emission Limitations-
When combusting natural gas, carbon monoxide emissions shall not exceed 75 lbs/hr, based on a 30-day average.
When combusting number two fuel oil, carbon monoxide emissions shall not exceed 150 lbs/hr, based on a 30-day average.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.3 and A.III.6.

1.h Emission Limitation-
Carbon monoxide emissions shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.3 and A.III.5.

1.i Emission Limitation-
Carbon monoxide emissions from emissions units B001, B002, and B003 combined shall not exceed 160.8 tons/yr, as a rolling, 365-day limitation.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.3 and A.III.5.

1.j Emission Limitation-
Volatile organic compound emissions shall not exceed 10.0 lbs/hr.

Applicable Compliance Method-
Compliance with this emission limitation may be determined using the following emission factors and the records required pursuant to Section A.III.4. 0.000 lb/mmBtu when the emissions unit is combusting natural gas and 0.0002 lb/mmBtu when the emissions unit is combusting number two fuel oil. These emission factors were established based upon emission data from the initial compliance demonstration conducted for this emissions unit on February 12 and 18, 1997. If required, the permittee shall demonstrate compliance with this mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

1.k Emission Limitation-
Volatile organic compound emissions shall not exceed 15.0 tons/yr.

Applicable Compliance Method-
Compliance with this limitation shall be determined through a summation of volatile organic compound emissions from the combustion of number two fuel oil and natural gas.

The volatile organic compound emissions may be determined by multiplying the applicable lb/mmBtu emission factor from the most recent emission test that demonstrated that the emissions unit was in compliance by the total annual heat input for each fuel (summation of the hourly values from Section A.III.4).

1.l Emission Limitation-
When combusting number two fuel oil, sulfur dioxide emissions shall not exceed 0.022 lb/mmBtu.

Applicable Compliance Method-
Compliance may be based upon the records required pursuant to Section A.III.1. If required, the permittee shall demonstrate compliance with this mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6C.

V. Testing Requirements (continued)

1.m Emission Limitation-
When combusting number two fuel oil, sulfur dioxide emissions shall not exceed 12.4 tons/yr.

Applicable Compliance Method-
Compliance shall be based upon the records required pursuant to Sections A.III.1 and A.III.4.

1.n Emission Limitation-
Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except for cold start-up and shutdown periods.

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

VI. Miscellaneous Requirements

1. The quality assurance/quality control plan for the continuous nitrogen oxides and sulfur dioxide monitoring systems, required pursuant to 40 CFR Part 75, Appendix B, must be made available during scheduled inspections and upon request by the Ohio EPA and/or Regional Air Pollution Control Agency.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Natural gas and number two fuel oil-fired, simple cycle, combustion turbine, having a nominal capacity of 1115 mmBtu/hr and controlled with a dry-low NOx combustor and water injection nitrogen oxides reduction system. CT-3.		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. A logbook documenting activities relating to the continuous carbon monoxide monitoring system must be kept on site and available for inspection during regular office hours.

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