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

02/03/06

CERTIFIED MAIL

RE: Preliminary Proposed Title V
Chapter 3745-77 permit

02-10-00-0101
Dominion Transmission-Carroll Station
Troy Hawkins
Dominion Resources
1201 E. 55th Street
Cleveland, OH 44103-0000

Dear Troy Hawkins:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 11/28/05. The comment period for the Draft permit has ended. We are now ready to submit this permit to USEPA for approval.

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

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

and

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

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

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

Sincerely,

Michael W. Ahern

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

cc: Northeast District Office
File, DAPC PMU

State of Ohio Environmental Protection Agency

PRELIMINARY PROPOSED TITLE V PERMIT

Issue Date: 02/03/06	Effective Date: To be entered upon final issuance	Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 02-10-00-0101 to:

Dominion Transmission-Carroll Station
8152 Bay Road SE
Carrollton, OH 44615

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

B001 (Turbine #1) Solar Centaur Turbine, Model T4702, 4390 HP	Solar Centaur Turbine, Model T4702, 4390 HP	HP
B002 (Turbine #2)	B004 (Aux. Generator #1) Waukesha Auxiliary Generator, Model F18GL, 778	

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

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

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

OHIO ENVIRONMENTAL PROTECTION AGENCY

Joseph P. Koncelik
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Record Keeping and Reporting Requirements

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

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

ii. The date(s) analyses were performed.

iii. The company or entity that performed the analyses.

iv. The analytical techniques or methods used.

v. The results of such analyses.

vi. The operating conditions existing at the time of sampling or measurement.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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

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

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

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

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

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

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

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

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

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

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

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

See B.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

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

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; General Terms and Conditions: A.2, A.3, A.4, A.6.e, A.7, A.12, A.14, A.18, A.19, A.20, and A.22 of Part I of this Title V permit, as well as any deviations from the requirements in Section A.V or A.VI of Part III of this Title V permit**,** and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in Part II.A of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

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

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

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

iv. Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

v. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

2. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in General Term and Condition A.1.c.i above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Risk Management Plans

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

a. a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

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

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

4. Title IV Provisions

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

5. Severability Clause

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

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement

action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

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

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

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

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

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

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

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

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

   The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.
   (Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

7. Fees

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

8. Marketable Permit Programs

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

9. Reasonably Anticipated Operating Scenarios

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

10. Reopening for Cause

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

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

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

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

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

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

11. Federal and State Enforceability

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

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

12. Compliance Requirements

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

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

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

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

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

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

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

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

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

i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

ii. Compliance certifications shall include the following:

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

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

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

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

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

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

13. Permit Shield

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

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

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

14. Operational Flexibility

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

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

15. Emergencies

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

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

16. Off-Permit Changes

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

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

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

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

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

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

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

17. Compliance Method Requirements

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

18. Insignificant Activities or Emissions Levels

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

19. Permit to Install Requirement

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

20. Air Pollution Nuisance

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

21. Permanent Shutdown of an Emissions Unit

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

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined

in OAC Chapter 3745-31 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-01)

22. Title VI Provisions

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

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

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

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

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

B. *State Only Enforceable Section*

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

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

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

2. Records Retention Requirements

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

3. Inspections and Information Requests

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

4. Scheduled Maintenance/Malfunction Reporting

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

5. Permit Transfers

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

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

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

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

a. where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in General Term and Condition A.1.c.ii; or

b. where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c. where the company's responsible official has certified that an emissions unit has been permanently shut down.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforceable Section

1. There are fugitive VOC emissions from this facility which have been identified in the permit application and which, in aggregate, would constitute a non-insignificant source. These emissions are not currently subject to any applicable emissions limitations/control measures, but shall be included in the annual fee emission report.

(Authority for term: OAC rule 3745-78-02)

B. State Only Enforceable Section

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

Z001 - tank E-1, 1000-gallon used oil tank;
Z002 - tank K-1, 1500-gallon wastewater tank;
Z003 - tank P-1, 1500-gallon pipeline fluids tank; and
Z004 - parts washer/cold cleaner.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Turbine #1 (B001)

Activity Description: Solar Centaur Turbine, Model T4702, 4390 HP

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
B001 is a natural gas-fired turbine with a rated heat input capacity of 41.86 MMBtu/hr, which drives compressor unit 4806 for natural gas transmission	OAC rule 3745-31-05(A)(3) (PTI No. 02-01505)	Particulate emissions (PE) from this emissions unit shall not exceed 1.6 pounds per hour and 7.0 tons per year. Sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 0.03 pound per hour and 0.13 ton per year. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 1.49 pounds per hour and 6.5 tons per year. Nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 7.15 pounds per hour and 31.3 tons per year. See section A.I.2.a. NOx emissions from this emissions unit shall not exceed 42 parts per million by volume (ppmv), dry conditions, at 15% oxygen at ISO standard day conditions. See section A.I.2.b. [ISO standard day conditions means 288 degrees Kelvin, 60 percent relative humidity and 101.3 kilopascals pressure.] Carbon monoxide (CO) emissions from this emissions unit shall not exceed 12.44 pounds per hour and 54.5 tons per year.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(4) and 3745-17-07(A).
	OAC rule 3745-17-11(B)(4)	PE shall not exceed 0.040 lb/MMBtu of actual heat input.
	OAC rule 3745-17-07(A)	Visible emissions from any stack shall not exceed 20 percent opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-06(F)	This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A). See section A.I.2.c.
	40 CFR Part 60, Subpart GG	The emission limitation established pursuant to 40 CFR Part 60, Subpart GG (150 ppmv NOx at 15% O2, dry conditions, ISO) is less restrictive than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See section A.II.1.

2. Additional Terms and Conditions

2.a The permittee shall employ low NOx lean air combustion control burners.

2.b Per 40 CFR Part 60.335(b)(1), the use of the ISO correction is optional for lean premix stationary combustion turbines. As this emissions unit employs lean premix technology (SoLoNOx), the use of the ISO correction is optional.

2.c This emissions unit is exempt from the requirements of OAC rule 3745-18-06(F) during any calendar day in which natural gas is the only fuel burned.

II. Operational Restrictions

1. The permittee shall not combust any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).

(Authority for term: 40 CFR 60.333(b) and OAC rule 3745-77-07(A)(1))

2. The permittee shall only fire pipeline quality natural gas as fuel in this emissions unit.

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

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee fires a fuel other than pipeline quality natural gas, the permittee shall maintain a record of the type and quantity of fuel fired in this emissions unit.

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

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

2. The permittee shall maintain the monthly records of the amount of pipeline quality natural gas combusted in this emissions unit, in million cubic feet, and the hours this emissions unit was operated.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

3. The permittee shall demonstrate that the gaseous fuel employed in this emissions unit meets the definition of natural gas in 40 CFR 60.334(u) by maintaining a copy of a current tariff sheet for the gaseous fuel specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less on site. Alternatively, the permittee shall sample the fuel to determine the fuel-bound sulfur content and maintain records as specified in the custom schedule approved by the Ohio EPA on May 12, 1994 (see Appendix A). If required, the fuel-bound sulfur content shall be determined as specified in 40 CFR Part 60.335(b)(10)(ii).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.334(h)(3) and 60.334(i)(3))

4. The fuel-bound nitrogen content has been determined to be zero. If necessary, the fuel-bound nitrogen content shall be determined in accordance with 40 CFR Parts 60.332(a)(4) and 60.335(b)(9).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.332(a)(4) and 60.335(b)(9))

IV. Reporting Requirements

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

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

2. The permittee shall submit deviation (excursion) reports that identify each day when the permittee did not either maintain a copy of a current tariff specifying the sulfur content of the fuel on site or alternatively the custom fuel sampling schedule was not followed.

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

V. Testing Requirements

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

1.a Emission Limitation:
20% opacity as a 6-minute average

Applicable Compliance Method:
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-17-03(B)(1), OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.b Emission Limitation:
0.040 lb PE/MM Btu of actual heat input

Applicable Compliance Method:
Compliance may be demonstrated based upon an emission factor of 0.0019 lb/MMBTU. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.1, Table 3.1-2a (4/00) for PM (filterable).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rule 3745-17-03(B)(10), OAC rule 3745-77-07(C)(1) and PTI 02-01505)

V. Testing Requirements (continued)

1.c Emission Limitations:
1.6 lbs PE per hour and 7.0 tpy

Applicable Compliance Methods:
Compliance with the hourly emission limitation may be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr by the particulate emission factor of 0.0019 lb/MMBTU from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

Compliance with the annual emission limitation shall be demonstrated by multiplying the particulate emission factor of 0.0019 lb/MMBTU from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00) by the heat content of the natural gas (MMBtu/cubic foot), and by the actual natural gas fuel usage rate from section A.III, and then dividing by 1 ton/2000 lbs.

(Authority for term: OAC rule 3745-17-03(B)(10), OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.d Emission Limitations:
7.15 lbs NOx per hour and 31.3 tpy

Applicable Compliance Methods:
Compliance with the hourly emission limitation shall be based upon emissions testing. The most recent test was performed on December 3, 4 and 5, 2001. This testing demonstrated hourly NOx emissions of 5.9 pounds. Upon retesting, the most recent data which demonstrated the emissions unit is in compliance shall be used. See A.V.2.

Compliance with the annual emission limitation shall be demonstrated by multiplying the hourly NOx emissions by the annual hours of operation and by 1 ton/2000 lbs.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.e Emission Limitations:
12.44 lbs CO per hour and 54.5 tpy

Applicable Compliance Methods:
Compliance with the hourly emission limitation shall be based upon emissions testing. The most recent test was performed on December 3, 4 and 5, 2001. This testing demonstrated hourly CO emissions of 1.5 pounds. Upon retesting, the most recent data which demonstrated the emissions unit is in compliance shall be used. See A.V.2.

Compliance with the annual emission limitation shall be demonstrated by multiplying the hourly CO emissions by the annual hours of operation and by 1 ton/2000 lbs.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

V. Testing Requirements (continued)

1.f Emission Limitations:
0.03 lb SO2 per hour and 0.13 ton per year

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be demonstrated by multiplying the emission factor of 0.94S lb/MMBtu (where S equals the percent sulfur in the fuel) by the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr. The emission factor was obtained from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-1 (4/00).

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

Compliance with the annual emission limitation shall be demonstrated by multiplying the emission factor of 0.94S lb/MMBtu (where S equals the percent sulfur in the fuel) by the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr by the annual hours of operation and by 1 ton/2000 pounds. The emission factor was obtained from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-1 (4/00).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.g Emission Limitation:
0.8 % SO2 by weight in the fuel

Applicable Compliance Method:
Compliance shall be demonstrated as described in section A.III.3.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.h Emission Limitations:
1.49 lbs VOC per hour and 6.5 tons per year

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MMBtu/hour by the emission factor of 0.0021 lb/MMBtu. The emission factor was obtained from AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

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

Compliance with the annual emission limitation shall be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MM Btu/hour by the emission factor of 0.0021 lb/MMBtu by the annual hours of operation and by 1 ton/2000 pounds. The emission factor was obtained from AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.i Emission Limitation:
42 ppm NOx ppmv, dry conditions, at ISO standard day conditions

Applicable Compliance Method:
Compliance shall be demonstrated as specified in section A.V.2.

(Authority for term: OAC rules 3745-77-07(C)(1) and PTI 02-01505)

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

V. Testing Requirements (continued)

2.a The emission testing shall be conducted within 6 months after the effective date of this permit.

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

2.b The emission testing shall be conducted to demonstrate compliance with the mass emission limitations for NOx and CO.

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

2.c The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

For NOx, Methods 1 through 4 and 7E of 40 CFR Part 60, Appendix A.

For CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A

Method 20 of 40 CFR Part 60, Appendix A shall be used to determine the nitrogen oxides and oxygen concentrations. The span values shall be 300 ppm of nitrogen oxides and 21 percent oxygen. The NOx emissions shall be determined at 30, 50, 75, and 100 percent of the peak load condition.

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

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

2.d The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northeast District Office.

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

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

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

2.f Personnel from the Ohio EPA, Northeast District Office shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

2.g A comprehensive written report on the results of the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northeast District Office within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Northeast District Office.

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Turbine #2 (B002)

Activity Description: Solar Centaur Turbine, Model T4702, 4390 HP

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
B002 is a natural gas-fired turbine with a rated heat input capacity of 41.86 MMBtu/hr, which drives a compressor unit for natural gas transmission	OAC rule 3745-31-05(A)(3) (PTI No. 02-01505)	Particulate emissions (PE) from this emissions unit shall not exceed 1.6 pounds per hour and 7.0 tons per year. Sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 0.03 pound per hour and 0.13 ton per year. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 1.49 pounds per hour and 6.5 tons per year. Nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 7.15 pounds per hour and 31.3 tons per year. See section A.I.2.a. NOx emissions from this emissions unit shall not exceed 42 parts per million by volume (ppmv), dry conditions, at 15% oxygen at ISO standard day conditions. See section A.I.2.b. [ISO standard day conditions means 288 degrees Kelvin, 60 percent relative humidity and 101.3 kilopascals pressure.] Carbon monoxide (CO) emissions from this emissions unit shall not exceed 12.44 pounds per hour and 54.5 tons per year.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(4) and 3745-17-07(A).
	OAC rule 3745-17-11(B)(4)	PE shall not exceed 0.040 lb/MMBtu of actual heat input.
	OAC rule 3745-17-07(A)	Visible emissions from any stack shall not exceed 20 percent opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-06(F)	This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A). See section A.I.2.c.
	40 CFR Part 60, Subpart GG	The emission limitation established pursuant to 40 CFR Part 60, Subpart GG (150 ppmv NOx at 15% O2, dry conditions, ISO) is less restrictive than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See section A.II.1.

2. Additional Terms and Conditions

2.a The permittee shall employ low NOx lean air combustion control burners.

2.b Per 40 CFR Part 60.335(b)(1), the use of the ISO correction is optional for lean premix stationary combustion turbines. As this emissions unit employs lean premix technology (SoLoNOx), the use of the ISO correction is optional.

2.c This emissions unit is exempt from the requirements of OAC rule 3745-18-06(F) during any calendar day in which natural gas is the only fuel burned.

II. Operational Restrictions

1. The permittee shall not combust any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).

(Authority for term: 40 CFR 60.333(b) and OAC rule 3745-77-07(A)(1))

2. The permittee shall only fire pipeline quality natural gas as fuel in this emissions unit.

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

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee fires a fuel other than pipeline quality natural gas, the permittee shall maintain a record of the type and quantity of fuel fired in this emissions unit.

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

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

2. The permittee shall maintain the monthly records of the amount of pipeline quality natural gas combusted in this emissions unit, in million cubic feet, and the hours this emissions unit was operated.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

3. The permittee shall demonstrate that the gaseous fuel employed in this emissions unit meets the definition of natural gas in 40 CFR 60.334(u) by maintaining a copy of a current tariff sheet for the gaseous fuel specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less on site. Alternatively, the permittee shall sample the fuel to determine the fuel-bound sulfur content and maintain records as specified in the custom schedule approved by the Ohio EPA on May 12, 1994 (see Appendix A). If required, the fuel-bound sulfur content shall be determined as specified in 40 CFR Part 60.335(b)(10)(ii).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.334(h)(3) and 60.334(i)(3))

4. The fuel-bound nitrogen content has been determined to be zero. If necessary, the fuel-bound nitrogen content shall be determined in accordance with 40 CFR Parts 60.332(a)(4) and 60.335(b)(9).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.332(a)(4) and 60.335(b)(9))

IV. Reporting Requirements

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

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

2. The permittee shall submit deviation (excursion) reports that identify each day when the permittee did not either maintain a copy of a current tariff specifying the sulfur content of the fuel on site or alternatively the custom fuel sampling schedule was not followed.

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

V. Testing Requirements

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

1.a Emission Limitation:
20% opacity as a 6-minute average

Applicable Compliance Method:
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-17-03(B)(1), OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.b Emission Limitation:
0.040 lb PE/MM Btu of actual heat input

Applicable Compliance Method:
Compliance may be demonstrated based upon an emission factor of 0.0019 lb/MMBTU. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.1, Table 3.1-2a (4/00) for PM (filterable).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

(Authority for term: OAC rule 3745-17-03(B)(10), OAC rule 3745-77-07(C)(1) and PTI 02-01505)

V. Testing Requirements (continued)

1.c Emission Limitations:
1.6 lbs PE per hour and 7.0 tpy

Applicable Compliance Methods:
Compliance with the hourly emission limitation may be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr by the particulate emission factor of 0.0019 lb/MMBTU from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

Compliance with the annual emission limitation shall be demonstrated by multiplying the particulate emission factor of 0.0019 lb/MMBTU from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00) by the heat content of the natural gas (MMBtu/cubic foot), and by the actual natural gas fuel usage rate from section A.III, and then dividing by 1 ton/2000 lbs.

(Authority for term: OAC rule 3745-17-03(B)(10), OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.d Emission Limitations:
7.15 lbs NOx per hour and 31.3 tpy

Applicable Compliance Methods:
Compliance with the hourly emission limitation shall be based upon emissions testing. The most recent test was performed on December 3, 4 and 5, 2001. This testing demonstrated hourly NOx emissions of 5.9 pounds. Upon retesting, the most recent data which demonstrated the emissions unit is in compliance shall be used. See A.V.2.

Compliance with the annual emission limitation shall be demonstrated by multiplying the hourly NOx emissions by the annual hours of operation and by 1 ton/2000 lbs.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.e Emission Limitations:
12.44 lbs CO per hour and 54.5 tpy

Applicable Compliance Methods:
Compliance with the hourly emission limitation shall be based upon emissions testing. The most recent test was performed on December 3, 4 and 5, 2001. This testing demonstrated hourly CO emissions of 1.5 pounds. Upon retesting, the most recent data which demonstrated the emissions unit is in compliance shall be used. See A.V.2.

Compliance with the annual emission limitation shall be demonstrated by multiplying the hourly CO emissions by the annual hours of operation and by 1 ton/2000 lbs.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

V. Testing Requirements (continued)

1.f Emission Limitations:
0.03 lb SO2 per hour and 0.13 ton per year

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be demonstrated by multiplying the emission factor of 0.94S lb/MMBtu (where S equals the percent sulfur in the fuel) by the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr. The emission factor was obtained from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-1 (4/00).

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

Compliance with the annual emission limitation shall be demonstrated by multiplying the emission factor of 0.94S lb/MMBtu (where S equals the percent sulfur in the fuel) by the emissions unit's maximum rated heat input capacity of 41.86 MMBTU/hr by the annual hours of operation and by 1 ton/2000 pounds. The emission factor was obtained from AP-42, 5th Edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-1 (4/00).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.g Emission Limitation:
0.8 % SO2 by weight in the fuel

Applicable Compliance Method:
Compliance shall be demonstrated as described in section A.III.3.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.h Emission Limitations:
1.49 lbs VOC per hour and 6.5 tons per year

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MMBtu/hour by the emission factor of 0.0021 lb/MMBtu. The emission factor was obtained from AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

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

Compliance with the annual emission limitation shall be demonstrated by multiplying the emissions unit's maximum rated heat input capacity of 41.86 MM Btu/hour by the emission factor of 0.0021 lb/MMBtu by the annual hours of operation and by 1 ton/2000 pounds. The emission factor was obtained from AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Chapter 3, Table 3.1-2a (4/00).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-01505)

1.i Emission Limitation:
42 ppm NOx ppmv, dry conditions, at ISO standard day conditions

Applicable Compliance Method:
Compliance shall be demonstrated as specified in section A.V.2.

(Authority for term: OAC rules 3745-77-07(C)(1) and PTI 02-01505)

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

V. Testing Requirements (continued)

2.a The emission testing shall be conducted within 6 months after the effective date of this permit.

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

2.b The emission testing shall be conducted to demonstrate compliance with the mass emission limitations for NOx and CO.

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

2.c The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

For NOx, Methods 1 through 4 and 7E of 40 CFR Part 60, Appendix A.

For CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A

Method 20 of 40 CFR Part 60, Appendix A shall be used to determine the nitrogen oxides and oxygen concentrations. The span values shall be 300 ppm of nitrogen oxides and 21 percent oxygen. The NOx emissions shall be determined at 30, 50, 75, and 100 percent of the peak load condition.

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

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

2.d The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northeast District Office.

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

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

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

2.f Personnel from the Ohio EPA, Northeast District Office shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

2.g A comprehensive written report on the results of the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northeast District Office within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Northeast District Office.

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Aux. Generator #1 (B004)

Activity Description: Waukesha Auxiliary Generator, Model F18GL, 778 HP

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
B004 is a Waukesha auxiliary generator, Model F18GL, 778 HP (8.56 MMBtu/hour)	OAC rule 3745-31-05(A)(3) (PTI No. 02-1124)	Nitrogen oxides (NOx) emissions shall not exceed 3.43 lbs per hour. Carbon Monoxide (CO) emissions shall not exceed 2.22 lbs per hour. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(5)(a) and 3745-17-07(A).
	OAC rule 3745-17-11(B)(5)(a)	0.25 lb particulate emissions (PE) per MMBtu of actual heat input. See section A.I.2.a.
	OAC rule 3745-17-11(B)(5)(a)	0.310 lb PE per MMBtu of actual heat input. See section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions from any stack shall not exceed 20 percent opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-06(F)	This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A). See section A.I.2.c.

2. Additional Terms and Conditions

2.a The requirement to comply with this PE limitation shall terminate on the date the U.S. EPA approves the 0.310 lb/MMBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

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

2. Additional Terms and Conditions (continued)

2.c This emissions unit is exempt from the requirements of OAC rule 3745-18-06(F) during any calendar day in which pipeline quality natural gas is the only fuel burned.

II. Operational Restrictions

1. The permittee shall only fire pipeline quality natural gas as fuel in this emissions unit.

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

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee fires a fuel other than pipeline quality natural gas, the permittee shall maintain a record of the type and quantity of fuel fired in this emissions unit.

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

2. The permittee shall maintain monthly records of the amount of pipeline quality natural gas combusted in this emissions unit and the hours this emissions unit was operated.

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

IV. Reporting Requirements

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

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

V. Testing Requirements

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

1.a Emission Limitation:
20% opacity as a 6-minute average

Applicable Compliance Method:
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

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

1.b Emission Limitations:
0.25 lb PE/MMBtu of actual heat input
0.310 lb PE/MMBtu of actual heat input

Applicable Compliance Method:
Compliance may be demonstrated based upon the facility provided emission factor of 0.010 lb/MMBTU of actual heat input. See section A.V.2.

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

V. Testing Requirements (continued)

1.c Emission Limitation:
3.43 lbs NOx per hour

Applicable Compliance Methods:
Compliance with the hourly emission limitation may be demonstrated by the use of the manufacturer's emission factor of 3.43 lbs NOx/hour.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-1124)

1.d Emission Limitation:
2.22 lbs CO per hour

Applicable Compliance Methods:
Compliance with the hourly emission limitation may be demonstrated by the use of the manufacturer's emission factor of 2.22 lbs CO/hour.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-1124)

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

2.a The emission testing shall be conducted within 6 months after the effective date of this permit.

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

2.b The emission testing shall be conducted to demonstrate compliance with the PE limitation of 0.25 lb/MMBtu heat input.

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

2.c The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate:

For PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A.

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

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

2.d The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northeast District Office.

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

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

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

V. Testing Requirements (continued)

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

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Statement of Basis For Title V Permit

Part I - General	
Company Name	Dominion Transmission - Carroll Station
Premise Number	02 10 00 0101
What makes this facility a Title V facility?	Carbon Monoxide
Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01 (U)?	Yes
Were there any "common control" issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	No
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit modification per OAC rule 3745-77-08(C)(3)	N/A
Please identify the affected unit(s)and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC rule 3745-77-08(D)	N/A

Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E)	This permit is no longer bifurcated. The language has been updated. **B001 & B002** are identical turbines. They are permitted in PTI 02-1505. The requirements of 40 CFR 60, Subpart GG are spelled out in more detail and are updated as Subpart GG has been revised. B001 & B002 are exempt from the requirements of OAC rule 3745-18-06(F) via OAC rule 3745-18-06(A). B004 not subject to the requirements of OAC rule 3745-18-06 as natural gas is the only fuel combusted. Current SIP limit of 0.25 lb PE/MMBtu actual heat input was added to renewal permit. Terms & Conditions of B003 not included in the renewal permit as the natural gas-fired boiler is rated 3.5 MMBtu/hr and so is trivial, per Engineering Guide 62.

Part II (State and Federally Enforceable Requirements)			
Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
1	78-02	N	Fugitive VOC emissions not currently subject to any applicable emissions limitations/control measures, but shall be included in the annual fee emission report.

C **Instructions for Part II:**
Each paragraph in Part II must be identified and the remainder of the table completed. If the SIP (not including 31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an "N" in the column under "SIP." If the basis for the term and condition is something other than the SIP, including 3745-31-05, NSPS or MACT, a "Y" should be noted in the "Other" column, and if not, an "N" should be noted. Whether the basis for the term and condition is the "SIP" or "Other," an explanation of each term and condition in Part II must be provided in the "Comments" section.

Part III (Requirements Within the State and Federally Enforceable Section)

Any unusual requirements or aspects of the terms and conditions in Part III that are not self-explanatory should be explained in the appropriate comment field or in a paragraph following the table for Part III.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												
B001, B002	20 % opacity	17-07(A)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas (inherently clean), M, R & Rt for this OR ET - Method 9, if requested
B001, B002	0.40 lb PE/mm Btu	17-11 (B)(4)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas; M, R & Rt for this OR
B001, B002	Exempt	18-06 (F)	N	Y	Y	Y	N	N	Y	N	Y	N	N	N	OR - basis of exemption from rule requirements, burn only natural gas, M, R, Rt for this OR
B001, B002	1.6 lbs PE/hour & 7.0 TPY	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas, ET based upon calcs, emission factors for burn natural gas, M, R & Rt for OR

B001, B002	0.03 lb SO2 & 0.13 TPY	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas, ET based upon calcs, emission factors for burn natural gas. M, R & Rt for OR
B001, B002	1.49 lbs VOC/hour & 6.5 TPY	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas, ET based upon calcs, emission factors for burn natural gas. M, R & Rt for OR
B001, B002	7.15 lbs Nox/hour & 31.1 TPY	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - combust only natural gas, M, R & Rt for OR
B001, B002	12.44 lbs CO/hour & 54.5 TPY	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - combust only natural gas, M, R & Rt for OR
B001, B002	42 ppmv Nox	31-05 (A)(3)	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - burn only natural gas, employ low Nox burners, advanced combustion controls
B001, B002	See Comments	N	40 CFR 60, Subpart GG	Y	Y	Y	N	N	Y	N	Y	N	N	N	OR from Subpart GG- not combust any fuel with > 0.8% (by weight) total sulfur Revised Subpart GG allows for a tariff sheet to demonstrate compliance. If no tariff sheet, the approved custom sampling schedule shall be followed. 31-05(A)(3) limit of 42 ppmv Nox is more restrictive than calculated 40 CFR 60, subpart GG limit of 150 ppmv.
B004	3.43 lb NOx/hour	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas ET - compliance based upon calculations using AP-42 emission factors
B004	2.22 lbs CO/hour	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas ET - compliance based upon calculations using AP-42 emission factors
B004	0.25 lb PE /MM BTU	17-11 (B)(5)(a)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas ET - compliance based upon calculations using AP-42 emission factors
B004	0.310 lb PE /MM BTU	17-11 (B)(5)(a)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas ET - compliance based upon calculations using AP-42 emission factors

B004	20% VE	17-07 (A)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - combust only natural gas ET - compliance based upon calculations using AP-42 emission factors
B004	See Comments	18-06 (F)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	EU is exempt from the requirements of OAC rule 3745-18-06 (G) if only natural gas is combusted. OR - combust only natural gas

EU = emissions unit ID
ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit)
OR = operational restriction
M = monitoring requirements
St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement
ENF = did noncompliance issues drive the monitoring requirements?
R = record keeping requirements
Rp = reporting requirements
ET = emission testing requirements (not including compliance method terms)
Misc = miscellaneous requirements

- **Instructions for Part III:**

  - All non-insignificant EUs must be included in this table. For each EU, or group of similar EUs, each emission limitation and control requirement specified in section A.I.1 and A.I.2 of the permit must be identified and the remainder of the table completed.

  - If the SIP (not including OAC rule 3745-31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an "N" in the column under "SIP." If the basis for the term and condition is something other than the SIP, including OAC rule 3745-31-05, NSPS or MACT, a "Y" should be noted in the "Other" column, and if not, an "N" should be noted. If the basis for the term and condition is "Other," an explanation of the basis must be provided in the "Comments" section. If OAC rule 3745-31-05 is cited in the "Other" column, please indicate in the "Comments" section whether or not <u>all</u> of the requirements have been transferred from the permit to install.

- To complete the remainder of the table after "Basis," except for the "Comments" section, simply specify a "Y" for yes or an "N" for no. For the "M," "R," "Rp," and "ET" columns, if "N" is specified, there should be a brief explanation in the "Comments" section as to why there are no requirements. If a brief explanation is provided in the "Comments" section, please do not simply indicate that monitoring or testing requirements are not necessary. An explanation of why a requirement is not necessary should be specified.

  When periodic monitoring requirements are established to satisfy the provisions of OAC rule 3745-77-07(A)(3)(a)(ii), the basis for the requirements must be explained. Whenever Engineering Guides have been used to establish the periodic monitoring requirements, the applicable Engineering Guide may be referenced in the "Comments" section. An example that should be clarified would be the situation where it has been determined that control equipment parametric monitoring will be used to evaluate ongoing compliance in lieu of performing frequent emission tests. In this situation, Engineering Guide #65 would be referenced along with the fact that the parametric monitoring range (or minimum value) corresponded to the range (or minimum value) documented during the most recent emission tests that demonstrated that the emissions unit was in compliance. If streamlining language is included in the "Monitoring," "Record Keeping," or "Reporting" requirements sections of the permit, explain which requirements are being streamlined (mark appropriate column above) and provide a brief explanation of why the streamlined term is equal to or more stringent than the "Monitoring," "Record Keeping," or "Reporting" requirements specified in the permit to install. If Engineering Guide #16 was used as the basis for establishing an

emission test frequency, a simple note referencing the Engineering Guide in the “Comments” section would be sufficient.

Also, if a “Y” is noted under “OR,” “Misc,” “St,” “ND,” or “ENF” an explanation of the requirements must be provided in the “Comments” section. In addition to a general explanation of the “OR,” “Misc,” “St,” “ND,” and/or “ENF” the following must be provided:

1. For an operational restriction, clarify if appropriate monitoring, record keeping, and reporting requirements have been specified for the operational restriction and indicate whether or not CAM is currently applicable.
2. If a control plan and schedule is included in the “Miscellaneous Requirements” section of the permit, provide an explanation in the “Comments” section of the violation, basis for the violation, and the company’s proposed control plan and schedule.
3. If the “ND” column above is marked, please identify the particular rule(s) that is (are) not applicable to the specified emissions unit.
2. If the “ENF” column above is marked, please provide a brief explanation of the noncompliance issue(s) which prompted the use of the specified monitoring requirement.

An explanation is not required if an “N” is noted in the “OR,” “Misc,” “St,” “ND,” or “ENF” columns.

- **Additional information for modifications** - Several types of modifications, as defined by rule, may be processed concurrently. Please provide enough of a description for someone wishing to review the changes to the permit language to be able to identify where the change is made in the permit document. This brief description should be identified in the appropriate row in the first table of this form by replacing the “N/A” in the applicable row(s). Please also indicate if the modification is being initiated by an appeal by including the ERAC case number in the “Comments” area. Please update the term-specific text in the SOB as warranted (full insertion or replacement is acceptable; bold italic and strike out is not needed). Note all modification/reopening rows should remain “N/A” when developing the SOB during the initial permit development. Note: APA’s and Off-permit changes do not need to be noted in the SOB.

OhioEPA
State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149
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FAX (614) 644-2329

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NEWARK
STEUBENVILLE OHIO

George V. Voinovich
Governor

May 12, 1994

Steve Burkett
CNG Transmission Corporation
445 West Main Street
P.O. Box 2450
Clarksburg, WV 26302-2450

Re: request for waiver of the daily fuel sampling requirements for CNG's Carroll, Newark and Washington Court House Stations

Dear Mr. Burkett:

The Ohio EPA, Division of Air Pollution Control (DAPC) has reviewed the results of the daily fuel-gas sampling for sulfur and fuel-bound nitrogen for the Carroll, Newark and Washington Court House Stations and the supplemental information provided in your April 8, 1994 letter.

Based on the aforementioned results and supplemental information, we agree that CNG can implement an alternative fuel-gas sampling schedule. As we discussed previously, the DAPC would prefer to see CNG perform quarterly sampling to alleviate any concerns about seasonal variations of the fuel-gas composition before we entertain CNG's request to perform the sampling on an annual or permit renewal basis.

CNG can begin sampling the fuel-gas for the Carroll, Newark and Washington Court House Stations on a quarterly basis. As we agreed, the fuel-gas sampling for the Newark and Washington Court House Stations will be performed on the pipeline at the Groveport Station and the sampling for the Carroll Station will be performed on the pipeline at the Beaver Station (Beaver County, PA). The next samples should be taken during the third calendar quarter of 1994.

Please note that DAPC's approval of the alternative sampling schedule does not waive Ohio EPA's rights to pursue violations which occurred prior to the approval of the alternative sampling schedule.

If you have any questions concerning this matter, please contact me at (614) 644-3595.

Sincerely,

Bruce D. Weinberg
Engineering Section
Division of Air Pollution Control

pc: Joe Estanich, CNG
John Gaitskill, USEPA/R5
Don Cavote, CDO
Harold Strohmeyer, NOVAA
Julianne Kurdila, Legal