



Environmental
Protection Agency

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

12/15/2011

Jeff McCombs
MILEY COMPRESSOR STATION
Environmental Health & Safety Department
P. O. Box 1273
Charleston, WV 25325-1273

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0238000050
Permit Number: P0108755
Permit Type: Renewal
County: Holmes

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install and Operate (PTIO) for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the permit. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, Holmes County Hub. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
122 South Front Street
Columbus, Ohio 43215

and Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Ohio EPA DAPC, Northeast District Office at (330)425-9171.

Sincerely,

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

Cc: U.S. EPA Region 5 Via E-Mail Notification
Ohio EPA-NEDO

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
Yes	SYNTHETIC MINOR TO AVOID TITLE V
Yes	FEDERALLY ENFORCABLE PTIO (FEPTIO)



Permit Strategy Write-Up

1. Check all that apply:

Synthetic Minor Determination

Netting Determination

2. Source Description:

Miley compressor station (Miley) is a pipeline compression station for Columbia Gas Transmission Corporation. It has two 780 hp 4SRB RICE engines (B003 and B004), one 1650 hp 4SLB RICE engine (B005), one 78 hp 4SRB emergency generator (B006), one triethylene glycol natural gas dehydration system including an absorber tower, a regenerator, and a reboiler with a flare control (P001), as well as other insignificant sources, such as an 1 MMBtu/hr heating system boiler (B007), maintenance area grinding operation (P002), various fugitive points (F001), and 11 storage tanks (T001 – T011).

3. Facility Emissions and Attainment Status:

Miley is located at 7531 State Rt. 514, Big Prairie, Holmes County, an area designated as "attainment" for ozone, sulfur dioxide, PM_{2.5}, carbon monoxide and lead. Currently the facility is operated as a major source of NO_x and CO emissions, and a minor source for HAP emissions. The facility has installed Non-selective Catalytic Reduction (NSCR) catalyst at emissions units B003 and for the purpose to comply with the area source MACT subpart ZZZZ and reduce NO_x and CO emissions. Based upon federally enforceable restrictions contained in this FEPTIO for NO_x and CO emissions from emissions unit of B003 and B004, Miley will not be a major source to subject to Title V requirements.

4. Source Emissions:

This FEPTIO contains terms and conditions that restrict annual NO_x and CO emissions from emissions units B003 and B004, and therefore, the facility-wide NO_x and CO emissions will not exceed the major source threshold. Miley is also required by this permit to track emissions, keep records, and submit reports.

5. Conclusion:

The emission limits contained in this FEPTIO are adequate to provide federally enforceable limitations to ensure that the Title V thresholds will not be exceeded.

6. Please provide additional notes or comments as necessary:

Miley is a minor source of HAP emissions and subject to area source MACT (GACT) subpart ZZZZ. Ohio EPA does not have the delegation of this MACT (GACT). Therefore, the MACT (GACT) subpart ZZZZ requirements are not contained in this permit.

7. Total Permit Allowable Emissions Summary (for informational purposes only):

<u>Pollutant</u>	<u>Tons Per Year</u>
NO _x	58.0
CO	46.0

PUBLIC NOTICE

12/15/2011 Issuance of Draft Air Pollution Permit-To-Install and Operate

MILEY COMPRESSOR STATION

Columbia Gas Transmission Corporation, 1700 MacCorkle Avenue, S.E.

Charleston, WV 25325

Holmes County

FACILITY DESC.: Pipeline Transportation of Natural Gas

PERMIT #: P0108755

PERMIT TYPE: Renewal

PERMIT DESC: FEPTIO to restrict NOx and CO emissions from B003 & B004 to avoid to be a major source of Title V. Renewal permit for B005, B006 and P001.

The Director of the Ohio Environmental Protection Agency issued the draft permit above. The permit and complete instructions for requesting information or submitting comments may be obtained at: epa.ohio.gov/dapc/permit by entering the permit # or: Tracy Gu, Ohio EPA DAPC, Northeast District Office, 2110 East Aurora Road, Twinsburg, OH 44087. Ph: (330)425-9171

Ohio

**Environmental
Protection Agency**

DRAFT

**Division of Air Pollution Control
Permit-to-Install and Operate
for
MILEY COMPRESSOR STATION**

Facility ID:	0238000050
Permit Number:	P0108755
Permit Type:	Renewal
Issued:	12/15/2011
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance



Division of Air Pollution Control
Permit-to-Install and Operate
for
MILEY COMPRESSOR STATION

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Authorization

Facility ID: 0238000050

Application Number(s): A0040506

Permit Number: P0108755

Permit Description: FEPTIO to restrict NOx and CO emissions from B003 & B004 to avoid to be a major source of Title V. Renewal permit for B005, B006 and P001.

Permit Type: Renewal

Permit Fee: \$0.00 *DO NOT send payment at this time, subject to change before final issuance*

Issue Date: 12/15/2011

Effective Date: To be entered upon final issuance

Expiration Date: To be entered upon final issuance

Permit Evaluation Report (PER) Annual Date: To be entered upon final issuance

This document constitutes issuance to:

MILEY COMPRESSOR STATION
Columbia Gas Transmission Corporation
1700 MacCorkle Avenue, S.E.
Charleston, WV 25325

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

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

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

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director



Authorization (continued)

Permit Number: P0108755

Permit Description: FEPTIO to restrict NOx and CO emissions from B003 & B004 to avoid to be a major source of Title V. Renewal permit for B005, B006 and P001.

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

Emissions Unit ID:	B005
Company Equipment ID:	RECIP ENGINE/INTEGRAL COMPR #07703
Superseded Permit Number:	06-769
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	B006
Company Equipment ID:	RECIP ENGINE/GENERATOR #077G1
Superseded Permit Number:	02-11482
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P001
Company Equipment ID:	TEG DEHY #1
Superseded Permit Number:	02-11482
General Permit Category and Type:	Not Applicable

Group Name: 4SRB engines controlled by NSCR

Emissions Unit ID:	B003
Company Equipment ID:	RECIP ENGINE/INTEGRAL COMPR #07701
Superseded Permit Number:	06-335
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	B004
Company Equipment ID:	RECIP ENGINE/INTEGRAL COMPR #07702
Superseded Permit Number:	06-335
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Northeast District Office in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting¹ a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

¹Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

B. Facility-Wide Terms and Conditions

Draft Permit-to-Install and Operate

MILEY COMPRESSOR STATION

Permit Number: P0108755

Facility ID: 0238000050

Effective Date: To be entered upon final issuance

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.
2. The Ohio EPA has determined that this facility may be applicable to the requirements of an area source MACT/GACT rule that the Ohio EPA does not have the delegated authority to implement. Although Ohio EPA has determined that an area source MACT (also known as the GACT) may apply, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised that all requirements associated with these rules are in effect and are enforceable by U.S. EPA. For more information on the area source rules, please refer to the follow U.S. EPA website: <http://www.epa.gov/ttn/atw/arearules.html>.

C. Emissions Unit Terms and Conditions

1. B005, RECIP ENGINE/INTEGRAL COMPR #07703

Operations, Property and/or Equipment Description:

White Superior 12-GTLA, 4-cycle, lean burn, natural gas-fired reciprocating pipeline compressor engine, having a maximum capacity of 1650 hp. (Compressor #07703 - B005)

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu of actual heat input.
b.	OAC rule 3745-17-07(A)	Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Visible particulate emissions shall not exceed 60% opacity, as a 6-minute average, at any time.
c.	OAC rule 3745-18-06(G)	See b)(2)a.
d.	OAC rule 3745-31-05(A)(3) (PTI 06-769 as issued on January 27, 1983)	See c)(1).

(2) Additional Terms and Conditions

- a. In accordance with OAC rule 3745-18-06(A), this emissions unit is exempt from OAC rule 3745-18-06(G) during any calendar day in which natural gas is the only fuel burned.

c) Operational Restrictions

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

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas in any of the emissions units, the permittee shall maintain a record of the types and quantities of fuel burned in the emissions unit.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the Director by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than 12 months for each air contaminant source identified in this permit.

The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services by the due date identified in the Authorization section of this permit.

f) Testing Requirements

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

- a. Emission Limitation:

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

- Applicable Compliance Method:

Compliance shall be based upon an emission factor of 0.00999 lb/mmBtu. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Table 3.2-2, Uncontrolled Emission Factors for 4-Stroke Lean-Burn Engines (7/00).

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

b. Emission Limitation:

Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Visible particulate emissions shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission observations performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9 and OAC rule 3745-17-03(B)(1).

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

c. Emission Limitation:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1).

g) Miscellaneous Requirements

(1) None.

2. B006, RECIP ENGINE/GENERATOR #077G1

Operations, Property and/or Equipment Description:

Emergency generator #077G1 ONAN-LSG875, 4-cycle, rich burn, natural gas-fired reciprocating engine, having a maximum capacity of 78 hp.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)(5)(a)	Particulate emissions shall not exceed 0.310 lb/mmBtu of actual heat input.
b.	OAC rule 3745-17-07(A)	Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Visible particulate emissions shall not exceed 60% opacity, as a 6-minute average, at any time.
c.	OAC rule 3745-18-06(G)	See b)(2)a.
d.	OAC rule 3745-31-05(A)(3) (PTI 02-11482 as issued on September 3, 1997)	See b)(2)b and c)(1).

(2) Additional Terms and Conditions

- a. In accordance with OAC rule 3745-18-06(A), this emissions unit is exempt from OAC rule 3745-18-06(G) during any calendar day in which natural gas is the only fuel burned.
- b. The emissions from this emissions unit shall not exceed the following:
 - i. 0.25 pound per hour and 1.1 tons per year of particulate emissions (PE);
 - ii. 1.72 pounds per hour and 7.52 tons per year of nitrogen oxides (NO_x);
and
 - iii. 0.50 pound per hour and 2.19 tons per year of sulfur dioxides (SO₂).

c) Operational Restrictions

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

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the types and quantities of fuel burned in this emissions unit.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the Director by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than 12 months for each air contaminant source identified in this permit.

The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services by the due date identified in the Authorization section of this permit.

f) Testing Requirements

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

- a. Emission Limitation:

Particulate emissions shall not exceed 0.310 lb/mmBtu of actual heat input.

- a. Applicable Compliance Method:

Compliance shall be based upon an emission factor of 0.01941 lb/mmBtu. This emission factor is specified in USEPA reference document AP-42, Fifth Edition,

Table 3.2-3, Uncontrolled Emission Factors for 4-Stroke Rich-Burn Engines (7/00).

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

b. Emission Limitations:

Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Visible particulate emissions shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission observations performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9 and OAC rule 3745-17-03(B)(1).

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

c. Emission Limitation:

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

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1).

d. Emission Limitation:

0.25 pound per hour of PE

Applicable Compliance Method:

Compliance shall be determined based upon the following equation:

$$E_{PE} = (EF_{PE})(P)$$

where:

E_{PE} = particulate emissions rate, in pound per hour;

EF_{PE} = emission factor, 0.01941 lb/mmBtu, for particulate emissions, from USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollutant Emission Factors, Section 3.2, Table 3.2-3 (7/00); and

P = maximum heat input for the engine = 0.91 mmBtu/hr.

e. Emission Limitation:

1.72 pounds per hour of NO_x emissions

Applicable Compliance Method:

Compliance shall be determined based upon the following equation:

$$E_{NO_x} = (EF_{NO_x})(P)$$

where:

E_{NO_x} = NO_x emissions rate, in pound per hour;

EF_{NO_x} = emission factor for NO_x emissions, 0.01345 lb/hp-hr, from manufacturer's testing data for this emissions unit; and

P = maximum horsepower input for the engine = 78 hp.

f. Emission Limitation:

0.50 pound per hour of SO_2 emissions

Applicable Compliance Method:

Compliance shall be determined based upon the following equation:

$$E_{SO_2} = (EF_{SO_2})(P)$$

where:

E_{SO_2} = SO_2 emissions rate, in pound per hour;

EF_{SO_2} = emission factor, 0.000588 lb/mmBtu, for SO_2 emissions, from USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollutant Emission Factors, Section 3.2, Table 3.2-3 (7/00); and

P = maximum heat input for the engine = 0.91 mmBtu/hr.

g. Emission Limitations:

1.10 tons per year of PE

7.52 tons per year of NO_x emissions

2.19 tons per year of SO_2 emissions

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable emission limitation by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

g) Miscellaneous Requirements

(1) None.

3. P001, TEG DEHY #1

Operations, Property and/or Equipment Description:

NatCotriethylene glycol natural gas dehydration system which includes an absorber tower, regenerator with a 0.48 mmBtu/hr natural gas-fired boiler, and a flare control system. (TEG DEHY #1 - P001)

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-07(M)(2)	Exempt. See b)(2)a.
b.	OAC rule 3745-17-07(A)	Visible particulate emissions from the exhaust stack of the regenerator shall not exceed 20% opacity, as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Visible particulate emissions shall not exceed 60% opacity, as a 6-minute average, at any time.
c.	OAC rule 3745-17-10(B)	Particulate emissions from the regenerator exhaust stack shall not exceed 0.020 pound per million Btu of actual heat input.

d.	OAC rule 3745-31-05(A)(3) (PTI 02-11482 as issued on September 3, 1997)	See b)(2)b, c)(1), c)(2), c)(3), c)(4), c)(5), and c)(6).
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(2) Additional Terms and Conditions

- a. This emissions unit is not located within "Priority I" counties, as identified in OAC 3745-21-06. Therefore, this emissions unit is exempt from OAC 3745-21-07(M)(2) requirements.
- b. The emissions from this emissions unit shall be limited as follows:
 - i. 1.55 pounds per hour and 6.79 tons per year of total organic compound (OC) emissions;
 - ii. 0.23 pound per hour and 1.02 tons per year of toluene emissions;
 - iii. 0.11 pound per hour and 0.46 ton per year of xylene emissions;
 - iv. 0.16 pound per hour and 0.70 ton per year of benzene emissions; and
 - v. 0.55 pound per hour and 2.42 tons per year of total hazardous air pollutants (HAPs).

c) Operational Restrictions

- (1) This emissions unit shall be equipped with a flare to control OC emissions. The flare shall be fired with natural gas and shall be operated with at least 95% control efficiency.
- (2) The flare shall be designed and operated with no visible emissions, as determined by 40 CFR §60.18(f), except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.
- (3) The flare shall be operated with flame present at all times, as determined by the methods specified in by 40 CFR §60.18(f).
- (4) The flare shall be used only when the net heating value of the gas being combusted is 200 Btu/scf or greater. The net heating value of the gas being combusted shall be determined by the methods specified in 40 CFR §60.18(f).
- (5) The flare shall be designed and operated with an exit velocity that satisfies the requirements of 40 CFR §60.18.
- (6) The flare shall be operated at all times when emissions may be vented to it.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall monitor the flare to ensure that it is operated when the emissions unit is in operation.

- (2) The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.
- (3) The permittee shall record the following information each month:
 - a. all periods during which there was no pilot flame; and
 - b. the operating times for the flare, monitoring equipment and the associated emissions units.
- (4) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the exhaust stack of the regenerator serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operation, the cause of the abnormal emissions;
 - d. the total duration of any visible emissions incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- (5) For each day during which the permittee burns a fuel other than natural gas in the regenerator, the permittee shall maintain a record of the types and quantities of fuel burned in the emissions unit.
- e) Reporting Requirements
- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the Director by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than 12 months for each air contaminant source identified in this permit.

The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services by the due date identified in the Authorization section of this permit.

f) Testing Requirements

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

a. Emission Limitation:

Visible particulate emissions from the regenerator stacks serving these emissions units shall not exceed 20% opacity, as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Visible particulate emissions shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). No visible emission observations are specifically required to demonstrate compliance with these emission limitations but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

b. Emission Limitation:

Particulate emissions from the regenerator exhaust stack shall not exceed 0.020 lb/mmBtu actual heat input

Applicable Compliance Method:

Compliance shall be determined by multiplying an emission factor of 1.9 pounds of particulate per million standard cubic foot by the emissions unit's maximum hourly natural gas firing capacity (0.000466 million standard cubic foot per hour) and dividing by the emissions unit's rated heat input capacity (0.475 mmBtu/hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollutant Emission Factors, Section 1.4, Table 1.4-2 (7/98).

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 procedures specified in OAC rule 3745-17-03 (B)(9).

c. Emission Limitation:

The flare shall be operated with at least 95% control efficiency

Applicable Compliance Method:

If the flare complies with the control requirements specified in sections c)(1) through (6) above, compliance with the 95% control efficiency requirement will be assumed.

d. Emission Limitation:

The flare shall be designed and operated with no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22. No visible emission observations are specifically required to demonstrate compliance with these emission limitations but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

e. Emission Limitation:

- i. 1.55 pounds per hour and 6.79 tons per year of total OC emissions;
- ii. 0.23 pound per hour and 1.02 tons per year of toluene emissions;
- iii. 0.11 pound per hour and 0.46 ton per year of xylene emissions;
- iv. 0.16 pound per hour and 0.70 ton per year of benzene emissions; and
- v. 0.55 pound per hour and 2.42 tons per year of total HAPs.

Applicable Compliance Method:

Compliance with these emission limitations shall be determined by employing the Gas Research Institute's simulation program GLYCalc version 3 or equivalent, wet gas analyses of the gases from the storage field associated with this natural gas compressor station, AP-42 emission factors for products of combustion, and an assumed control efficiency of 95% for the flare.

Emission tests may be required, in accordance with test procedures approved by the Director, to demonstrate compliance with the hourly emission limitations.

The tpy emission limitation was developed by multiplying the short-term allowable emission limitation by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

g) Miscellaneous Requirements

- (1) None.

4. Emissions Unit Group -4SRB engines controlled by NSCR: B003,B004,

EU ID	Operations, Property and/or Equipment Description
B003	White Superior 8G-825, 4-cycle, rich burn, natural gas-fired reciprocating pipeline compressor engine, having a maximum capacity of 780hp, controlled by a Non-Selective Catalytic Reduction. (Compressor #07701 - B003)
B004	White Superior 8G-825, 4-cycle, rich burn, natural gas-fired reciprocating pipeline compressor engine, having a maximum capacity of 780hp, controlled by a Non-Selective Catalytic Reduction. (Compressor #07702 - B004)

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(1)e, b)(2)b, b)(2)c, c)(2), c)(3), c)(4), c)(5), d)(2), d)(3), d)(4), e)(2), f)(1)d, and f)(1)e.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input.
b.	OAC rule 3745-17-07(A)	Visible particulate emissions from the exhaust stack serving each emissions unit shall not exceed 20% opacity, as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Visible particulate emissions shall not exceed 60% opacity, as a 6-minute average, at any time.

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c.	OAC rule 3745-18-06(G)	See b)(2)a.
d.	OAC rule 3745-31-05(A)(3) (PTI 06-335 as issued on September 26, 1977)	See c)(1).
e.	OAC rule 3745-31-05(D)(1)(b)	See b)(2)b, b)(2)c and c)(2) through c)(5).

(2) Additional Terms and Conditions

- a. In accordance with OAC rule 3745-18-06(A), this emissions unit is exempt from OAC rule 3745-18-06(G) during any calendar day in which natural gas is the only fuel burned.
- b. The permittee voluntarily proposed the following restrictions to each emissions unit to avoid Title V requirements:
 - i. nitrogen oxides (NO_x) emissions shall not exceed 29.0 tons per year, based upon a rolling, 12-month summation of monthly emissions; and
 - ii. carbon monoxide (CO) emissions shall not exceed 23.0 tons per year, based upon a rolling, 12-month summation of monthly emissions.
- c. Emissions from each emissions unit shall be vented to a non-selective catalytic reduction (NSCR) catalyst that shall meet the operational, monitoring and record keeping requirements of this permit when the associated emissions unit is in operation.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas in these emissions units.
- (2) The NSCR catalyst shall be operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
- (3) The permittee shall maintain each NSCR catalyst so that the pressure drop across the NSCR does not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the NSCR which was measured during the most recent stack test.
- (4) The permittee shall maintain the temperature of each emissions unit so that the catalyst inlet temperature is greater than or equal to 750⁰F and less than or equal to 1250⁰F.
- (5) To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the following emission levels specified in the following table for each emissions unit:

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Month(s)	Maximum Allowable Cumulative Emissions of NO _x (tons)	Maximum Allowable Cumulative Emissions of CO (tons)
1	2.5	2.0
1 – 2	5.0	4.0
1 – 3	7.5	6.0
1 – 4	10.0	8.0
1 – 5	12.5	10.0
1 – 6	15.0	12.0
1 – 7	17.5	14.0
1 – 8	20.0	16.0
1 – 9	22.5	18.0
1 – 10	25.0	20.0
1 – 11	27.5	22.0
1 – 12	29.0	23.0

After the first 12 calendar months of following the issuance of this permit, compliance with the annual emission limitations for NO_x and CO for each emissions unit shall be based upon a rolling, 12-month summation of the emissions of NO_x and CO.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas in any of the emissions units, the permittee shall maintain a record of the types and quantities of fuel burned in the emissions unit.
- (2) The permittee shall record each month the total number of hours each emissions unit was in operation, as well as the rolling, 12-month operating hours.
- (3) The permittee shall properly install, operate and maintain continuous temperature monitors and recorder(s) that measure and record(s) each catalyst inlet temperature data when the associated emissions unit is in operation, including periods of startup and shutdown. Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within ± 1 percent of the temperature being measured or ± 5 degrees Fahrenheit, whichever is greater. The temperature monitors and recorder(s) shall be able to collect data at least once every 15 minutes. The temperature monitors and recorder(s) shall be installed, calibrated,

operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. The acceptable temperature settings shall be based upon the manufacturer's specifications until such time as any required performance testing is conducted and the appropriate range for each parameter is established to demonstrate compliance. Following compliance testing, the permittee shall collect and record the following information each day for each NSCR when the associated emissions unit is in operation:

- a. 4-hour, rolling averages of each catalyst inlet temperature when each emissions unit, which was controlled by a NSCR, was in operation; and
- b. a log or record of the operating time for each NSCR, monitoring equipment and the associated emissions unit.

The permittee shall maintain the 4-hour, rolling averages within the operating limitations for the operating parameters established during the most recent stack test.

- (4) The permittee shall properly install, operate and maintain equipment to continuously monitor the pressure drop, in inches of water, across each catalyst when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall measure and record the pressure drop across each catalyst once per month and demonstrate that the pressure drop across the catalyst is within the operating limitation established during the most recent stack test. The monitoring equipment shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manual(s), with any modifications deemed necessary by the permittee.

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:
 - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - i. NO_x emissions for each emissions unit shall not exceed 29.0 tons per year, based upon a rolling, 12-month summation of monthly emissions;
 - ii. CO emissions for each emissions unit shall not exceed 23.0 tons per year, based upon a rolling, 12-month summation of monthly emissions;
 - iii. each period of time (start time and date, and end time and date) when the 4-hour, rolling averages of each catalyst inlet temperature was outside of

the ranges specified by the manufacturer and/or outside of the acceptable ranges following any required compliance demonstration;

iv. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the NSCR; and

v. each time when the recorded pressure drop across each catalyst was outside of the ranges specified by the manufacturer and/or outside of the acceptable ranges following any required compliance demonstration.

b. the probable cause of each deviation (excursion);

c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and

d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

(3) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the Director by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than 12 months for each air contaminant source identified in this permit.

The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services by the due date identified in the Authorization section of this permit.

f) Testing Requirements

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

a. Emission Limitation:

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

Applicable Compliance Method:

Compliance shall be based upon an emission factor of 0.01941 lb/mmBtu. This emission factor is specified in USEPA reference document AP-42, Fifth Edition,

Table 3.2-3, Uncontrolled Emission Factors for 4-Stroke Rich-Burn Engines (7/00).

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

b. Emission Limitation:

Visible particulate emissions from the exhaust stack serving each emissions unit shall not exceed 20% opacity, as a 6-minute average, except for a period of not more than 6 consecutive minutes in any 60-minute period. Visible particulate emissions shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission observations performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9 and OAC rule 3745-17-03(B)(1).

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

c. Emission Limitation:

The permittee shall burn only natural gas in these emissions units.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1).

d. Emission Limitation:

NO_x emissions for each emissions unit shall not exceed 29.0 tons per year, based upon a rolling, 12-month summation of monthly emissions.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the testing requirements specified in f)(2), the record keeping requirement specified in d)(2) and the following equation:

$$E_{NO_x} = (E_{HNO_x})(OT)/(2,000 \text{ lbs/ton})$$

where:

E_{NO_x} = NO_x emissions, in tons per rolling, 12-month;

E_{HNO_x} = the hourly NO_x emission rate, determined by the most recent performance testing; and

OT = the rolling, 12-month summation of monthly operating hours, based upon the records collected in d)(2).

e. Emission Limitation:

CO emissions for each emissions unit shall not exceed 23.0 tons per year, based upon a rolling, 12-month summation of monthly emissions.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the testing requirements specified in f)(2), the record keeping requirement specified in d)(2) and the following equation:

$$E_{\text{CO}} = (E_{\text{HCO}})(\text{OT})/(2,000 \text{ lbs/ton})$$

where:

E_{CO} = CO emissions, in tons per rolling, 12-month;

E_{HCO} = the hourly CO emission rate, determined by the most recent performance testing; and

OT = the rolling, 12-month summation of monthly operating hours, based upon the records collected in d)(2).

(2) The permittee shall conduct emission testing for these emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit.
- b. The emission testing shall be conducted to demonstrate the hourly mass emission rate for NO_x and CO emissions.
- c. The following test method(s) shall be employed:
 - i. for NO_x emissions: Method 7 of 40 CFR Part 60, Appendix A; and
 - ii. for CO emissions: Method 10 of 40 CFR Part 60, Appendix A.

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

- d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the Ohio EPA Northeast District Office. Although this generally

consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.

- 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).
- 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.
- 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.

g) Miscellaneous Requirements

- (1) None.