OhioEPA

State of Ohio Environmental Protection Agency

Street Address: 1800 WaterMark Drive, Columbus, OH 43215-1099

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

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

01/15/98

CERTIFIED MAIL

RE: Proposed Title V Chapter 3745-77 permit
01-23-00-0137
CRAWFORD COMPRESSOR STATION

Attn: Genevieve Damico AR-18J
United States Enviromental Protection Agency
Region V
77 West Jackson Blvd.
Chicago, IL 60604-3590

Dear Ms. Damico:

The proposed issuance of the Title V permit for CRAWFORD COMPRESSOR STATION, has been created in Ohio EPA's State Air Resources System (STARS) on 01/15/98, for review by USEPA. This proposed action is identified in STARS as 3-Title V Proposed Permit T+C covering the facility specific terms and conditions, and Title V Proposed Permit covering the general terms and conditions. This proposed permit will be processed for issuance as a final action after forty-five (45) days from USEPA's receipt of this certified letter if USEPA does not object to the proposed permit. Please contact Mike Ahern, DAPC Permit Management Unit supervisor at (614) 644-3631 by the end of the forty-five (45) day review period if you wish to object to the proposed permit.

Very truly yours,

Thomas G. Rigo

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

cc: Central District Office
Becky Castle, DAPC PMU

Ohio EPA

State of Ohio Environmental Protection Agency

TITLE V PERMIT

Date: 01/15/98

PROPOSED

Effective Date:

Expiration Date:

This document constitutes issuance to:

CRAWFORD COMPRESSOR STATION
Environmental Affairs Department
1700 MacCorkle Avenue, S.E.
Charleston, WV 25325

of a Title V permit for Facility ID: 01-23-00-0137

Emissions Unit ID (Company ID)/
Emissions Unit Activity Description:
B004 (RECIP ENGINE/INTEGRAL COMPR #09912)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B005 (RECIP ENGINE/INTEGRAL COMPR #09913)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B010 (RECIP ENGINE/INTEGRAL COMPR #09914)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B011 (RECIP ENGINE/INTEGRAL COMPR #09904)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B012 (RECIP ENGINE/INTEGRAL COMPR #09905)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B013 (TEG DEHY #1)
NATURAL GAS DEHYDRATOR SYSTEM : TWO ABSORBER TOWERS & REGENERATOR STILL W/ BOILER & FLARE.

B015 (RECIP ENGINE/INTEGRAL COMPR #09906)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B016 (RECIP ENGINE/INTEGRAL COMPR #09907)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B017 (RECIP ENGINE/INTEGRAL COMPR #09908)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B018 (RECIP ENGINE/INTEGRAL COMPR #09901)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B019 (RECIP ENGINE/INTEGRAL COMPR #09902)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B020 (RECIP ENGINE/INTEGRAL COMPR #09903)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B021 (RECIP ENGINE/INTEGRAL COMPR #09911)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B022 (RECIP ENGINE/INTEGRAL COMPR #09909)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B023 (RECIP ENGINE/INTEGRAL COMPR #09910)
PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

B024 (RECIP ENGINE/GENERATOR #099G1)
EMERGENCY GENERATOR : A NATURAL GAS-FIRED RECIPROCATING ENGINE GENERATING ELECTRICITY.

B025 (RECIP ENGINE/GENERATOR #099G3)
EMERGENCY GENERATOR : A NATURAL GAS-FIRED RECIPROCATING ENGINE GENERATING ELECTRICITY.

B026 (TEG DEHY #2)
NATURAL GAS DEHYDRATOR SYSTEM : AN ABSORBER TOWER & REGENERATOR STILL W/ BOILER & FLARE.

B027 (RECIP ENGINE/AIR COMPR. #099A1)
AIR COMPRESSOR : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING AMBIENT AIR.

Z002 (RECIP ENGINE/GENERATOR #099G2)
EMERGENCY GENERATOR : A NATURAL GAS-FIRED RECIPROCATING ENGINE GENERATING ELECTRICITY.

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:

Central District Office
3232 Alum Creek Drive
PO Box 1049
Columbus, OH 43216-1049
(614) 728-3778

OHIO ENVIRONMENTAL PROTECTION AGENCY

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Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

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

   i. The date, place (as defined in the permit), and time of sampling or measurements.
   ii. The date(s) analyses were performed.
   iii. The company or entity that performed the analyses.
   iv. The analytical techniques or methods used.
   v. The results of such analyses.
   vi. The operating conditions existing at the time of sampling or measurement.

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.

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

   i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
   ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
   iii. Written reports, which identify any deviations from the federally enforceable <u>monitoring</u>, <u>recordkeeping</u>, <u>and reporting requirements</u> contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month

period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

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

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

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

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.

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.

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. 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.

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.

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.

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.

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 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 3745-77-07.

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.

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.

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 appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:

i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before March 15th 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.

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.

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 3745-77-02(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).

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.

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

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

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

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

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

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

B. State Only Enforceable Section

1. 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.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

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

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

3. 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.

4. 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.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction 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).

6. 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.

7. 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.

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

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

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforceable Section

None

B. State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

B003 - Boiler #1 (natural gas-fired hot water boiler);
B014 - Heater #1 (natural gas-fired line heater);
B029 - Reciprocating Engine/Fire Pump (gasoline-fired emergency fire pump);
B030 - Boiler #2 (natural gas-fired hot water boiler); and
B031 - Heater #2 (natural gas-fired line heater).

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09912 (B004)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09913 (B005)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	a. OAC 3745-31-05 See B.VI.	See B.I.2.a below.
	b. OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

2. Additional Terms and Conditions

2.a The best available technology (BAT) determination for this emissions unit was established to be compliance with the requirements of OAC rule 3745-17-11.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 01-364: B.I.1.a.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09914 (B010)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	a. OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	b. OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.
	c. OAC 3745-31-05 See A.VI.	5 gms NOx/HP-hr .3 gm VOC/HP-hr 2 gms CO/HP-hr

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(1).

1.c Emission Limitations:

5 gms NOx/HP-hr
.3 gm VOC/HP-hr
2 gms CO/HP-hr

Applicable Compliance Method: The following testing requirements.

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

1. The emission testing shall be conducted within 6 months prior to permit expiration.

2. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for NOx, CO, and VOC.

3. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): 40 CFR Part 60, Appendix A, Methods 1-4, 7E, 10, 18, and 40 CFR Part 266, Appendix IX, Method 0011.

4. 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, Central District Office.

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, Central 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, Central District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Central 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.

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, Central District Office within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 01-379: A.I.1.c.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09904 (B011)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09905 (B012)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: TEG DEHY #1 (B013)

Activity Description: NATURAL GAS DEHYDRATOR SYSTEM : TWO ABSORBER TOWERS & REGENERATOR STILL W/ BOILER & FLARE.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
NATURAL GAS DEHYDRATOR SYSTEM : ABSORBER TOWER & REGENERATOR STILL W/ BOILER AND FLARE.	OAC 3745-21-07(G)	None *
	OAC 3745-17-10(B)(1)	Particulate emissions shall not exceed .020 lb/mmBtu actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

2. Additional Terms and Conditions

2.a * The dehydrator is designed to use only glycol which is not a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation:

.020 lb PM/mmBtu actual heat input

Applicable Compliance Method:

divide the applicable AP-42, 5th Edition emission factor for filterable particulate matter from table 1.4-2 (for units less than 10 mmBtu/hr) by the assumed heat content of natural gas (1000 Btu/cubic foot). 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)(9).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
NATURAL GAS DEHYDRATOR SYSTEM : ABSORBER TOWER & REGENERATOR STILL W/ BOILER AND FLARE.	OAC 3745-31-05 See B.VI.	.13 lb SO2/hr 3.3 lbs VOC/hr .25 lb NOx/hr .78 lb CO/hr .14 lb PM/hr

2. Additional Terms and Conditions

2.a The emissions unit shall be equipped with a flare to control organic compound emissions. The flare shall be fired with natural gas.

2.b The flare shall be designed and operated in a manner that will ensure 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.

2.c The flare shall be operated at all times when emissions may be vented to it as determined by methods specified in 40 CFR 60.18(f).

2.d 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).

2.e The flare shall be designed for and operated with an exit velocity that satisfies the requirements of 40 CFR 60.18(f).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The flare shall be monitored for the presence of a pilot flame using a thermocouple or any other equivalent device to detect the presence of a flame.

2. 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 unit.

IV. Reporting Requirements

1. The permittee shall submit semi-annual deviation (excursion) reports that identify all periods during which the pilot flame or flare was not functioning properly, and the emission unit was not shut down. The reports shall include the date, time, and duration of each such period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:

3.3 lbs/hr volatile organic compounds

Applicable Compliance Method:

Pollutant emissions 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 applicable storage fields, AP-42 emission factors for products of combustion, and an assumed destruction efficiency of 98% 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.

1.b Emission Limitation:

no visible emissions, as specified in B.2.b

Applicable Compliance Method:

40 CFR Part 60, Appendix A, Reference Method 22

1.c Emission Limitation:

.13 lb SO2/hr
.25 lb NOx/hr
.78 lb CO/hr

Applicable Compliance Method: multiply the applicable AP-42, 5th Edition emission factor, table 1.4-1 (for units less than 10 mmBtu/hr) by the maximum hourly natural gas combustion rate (350 cubic feet/hr).

1.d Emission Limitation:

.14 lb PM/hr

Applicable Compliance Method: multiply the applicable AP-42, 5th Edition emission factor for filterable particulate matter from table 1.4-2 (for units less than 10 mmBtu/hr) by the maximum hourly natural gas combustion rate (350 cubic feet/hr).

VI. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 01-6343 as issued on April 17, 1996: B.I., B.III., B.IV., and B.V.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09906 (B015)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09907 (B016)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09908 (B017)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09901 (B018)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.25 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.25 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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: RECIP ENGINE/INTEGRAL COMPR #09902 (B019)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.25 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.25 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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: RECIP ENGINE/INTEGRAL COMPR #09903 (B020)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.25 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.25 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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: RECIP ENGINE/INTEGRAL COMPR #09911 (B021)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09909 (B022)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/INTEGRAL COMPR #09910 (B023)

Activity Description: PRIME MOVER : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING NATURAL GAS.

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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(b)	The particulate emissions from the engine's exhaust shall not exceed 0.35 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation: 0.35 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
PRIME MOVER : A NATURAL GAS-FIRED LARGE BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-18-06(G)	Sulfur dioxide emissions shall not exceed 0.5 pound per million Btu of actual heat input.

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.5 pound sulfur dioxide per million Btu of actual heat input.

Applicable Compliance Method: Compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/GENERATOR #099G1 (B024)

Activity Description: EMERGENCY GENERATOR : A NATURAL GAS-FIRED RECIPROCATING ENGINE GENERATING ELECTRICITY.

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
EMERGENCY GENERATOR : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE GENERATING ELECTRICITY	OAC 3745-17-11(B)(5)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.25 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1.a Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation: 0.25 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
EMERGENCY GENERATOR : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE GENERATING ELECTRICITY	OAC 3745-31-05 See B.VI.	2.2 lbs NOx/hr 3.93 lbs CO/hr 1.5 lbs VOC/hr

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 500 hours, based upon a rolling, 12-month summation of the operating hours.

III. Monitoring and/or Record Keeping Requirements

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

a. The operating hours for each month.

b. The rolling, 12-month summation of the operating hours.

IV. Reporting Requirements

1. The permittee shall submit semi-annual deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

Applicable Compliance Method: AP-42, 5th Edition emission factors, table 3.2-2 (2.9, .28, and 1.6 pounds per million Btu of actual heat input for NOx, CO and VOC, respectively).

VI. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 01-4643: B.I., B.II., B.III., and B.IV.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/GENERATOR #099G3 (B025)

Activity Description: EMERGENCY GENERATOR : A NATURAL GAS-FIRED RECIPROCATING ENGINE GENERATING ELECTRICITY.

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
EMERGENCY GENERATOR : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE	OAC 3745-17-11(B)(5)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.25 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1.a Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation: 0.25 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
EMERGENCY GENERATOR : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE	OAC 3745-31-05 See B.VI.	5.12 lbs NOx/hr .68 lb CO/hr .31 lb OC/hr

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 1000 hours, based upon a rolling, 12-month summation of the operating hours.

III. Monitoring and/or Record Keeping Requirements

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

a. The operating hours for each month.

b. The rolling, 12-month summation of the operating hours.

IV. Reporting Requirements

1. The permittee shall submit semi-annual deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

Applicable Compliance Method: AP-42, 5th Edition emission factors, table 3.2-2 (2.9, .28, and 1.6 pounds per million Btu of actual heat input for NOx, CO and VOC, respectively).

VI. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 01-5741 as issued on May 24, 1995: B.I., B.II., B.III., and B.IV.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: TEG DEHY #2 (B026)

Activity Description: NATURAL GAS DEHYDRATOR SYSTEM : AN ABSORBER TOWER & REGENERATOR STILL W/ BOILER & FLARE.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
NATURAL GAS DEHYDRATOR SYSTEM : ABSORBER TOWER & REGENERATOR STILL W/ BOILER AND FLARE.	OAC 3745-21-07(G)	None *
	OAC 3745-17-10(B)(1)	Particulate emissions shall not exceed .020 lb/mmBtu actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

2. Additional Terms and Conditions

2.a * The dehydrator is designed to use only glycol which is not a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation:

.020 lb PM/mmBtu actual heat input

Applicable Compliance Method:

divide the applicable AP-42, 5th Edition emission factor for filterable particulate matter from table 1.4-2 (for units less than 10 mmBtu/hr) by the assumed heat content of natural gas (1000 Btu/cubic foot). 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)(9).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
NATURAL GAS DEHYDRATOR SYSTEM : ABSORBER TOWER & REGENERATOR STILL W/ BOILER AND FLARE.	OAC 3745-31-05 See B.VI.	.086 lb SO2/hr 1.6 lbs VOC/hr .19 lb NOx/hr .51 lb CO/hr .012 lb PM/hr

2. Additional Terms and Conditions

2.a The emissions unit shall be equipped with a flare to control organic compound emissions. The flare shall be fired with natural gas.

2.b The flare shall be designed and operated in a manner that will ensure 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.

2.c The flare shall be operated at all times when emissions may be vented to it as determined by methods specified in 40 CFR 60.18(f).

2.d 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).

2.e The flare shall be designed for and operated with an exit velocity that satisfies the requirements of 40 CFR 60.18(f).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The flare shall be monitored for the presence of a pilot flame using a thermocouple or any other equivalent device to detect the presence of a flame.

2. 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 unit.

IV. Reporting Requirements

1. The permittee shall submit semi-annual deviation (excursion) reports that identify all periods during which the pilot flame or flare was not functioning properly, and the emission unit was not shut down. The reports shall include the date, time, and duration of each such period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:

1.6 lbs/hr volatile organic compounds

Applicable Compliance Method:

Pollutant emissions 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 applicable storage fields, AP-42 emission factors for products of combustion, and an assumed destruction efficiency of 98% 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.

1.b Emission Limitation:

no visible emissions, as specified in B.2.b

Applicable Compliance Method:

40 CFR Part 60, Appendix A, Reference Method 22

1.c Emission Limitation:

.086 lb SO2/hr
.19 lb NOx/hr
.51 lb CO/hr

Applicable Compliance Method: multiply the applicable AP-42, 5th Edition emission factor, table 1.4-1 (for units less than 10 mmBtu/hr) by the maximum hourly natural gas combustion rate (1000 cubic feet/hr).

1.d Emission Limitation:

.012 lb PM/hr

Applicable Compliance Method: multiply the applicable AP-42, 5th Edition emission factor for filterable particulate matter from table 1.4-2 (for units less than 10 mmBtu/hr) by the maximum hourly natural gas combustion rate (350 cubic feet/hr).

VI. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 01-6343 as issued on April 17, 1996: B.I., B.III., B.IV., and B.V.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/AIR COMPR. #099A1 (B027)

Activity Description: AIR COMPRESSOR : A NATURAL GAS-FIRED RECIPROCATING ENGINE COMPRESSING AMBIENT AIR.

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
AIR COMPRESSOR : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE COMPRESSING AMBIENT AIR.	OAC 3745-17-11(B)(5)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.25 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.25 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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
AIR COMPRESSOR : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE COMPRESSING AMBIENT AIR.	OAC 3745-31-05 See B.VI.	5.2 lbs NOx/hr 4.5 lbs CO/hr .07 lb VOC/hr .09 lb SO2/hr .33 lb PM/hr

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

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Applicable Compliance Method: AP-42, 5th Edition emission factors from table 3.2-2 (.029, 2.9, .28, and 1.6 pound(s) per million Btu of actual heat input for PM, NOx, CO, and VOC, respectively) shall be used to demonstrate compliance with PM, NOx, CO, and VOC. An emission factor of .25 grain of sulfur per 100 standard cubic feet multiplied by the maximum hourly natural gas combustion rate (300 cubic feet/hr) shall be used to demonstrate compliance with SO2.

VI. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 01-6402 as issued on June 5, 1996: B.I.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RECIP ENGINE/GENERATOR #099G2 (Z002)

Activity Description: EMERGENCY GENERATOR : A NATURAL GAS-FIRED RECIPROCATING ENGINE GENERATING ELECTRICITY.

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
PRIME MOVER : A NATURAL GAS-FIRED SMALL BORE RECIPROCATING ENGINE COMPRESSING NATURAL GAS.	OAC 3745-17-11(B)(5)(a)	The particulate emissions from the engine's exhaust shall not exceed 0.25 pound per million Btu of actual heat input.
	OAC 3745-17-07(A)	Visible particulate emission limitations for stack emissions: (1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average. (2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

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

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation: 0.25 pound particulate matter per million Btu of actual heat input.

Applicable Compliance Method: AP-42, 5th Edition emission factor, table 3.2-2 (.029 pound particulate matter per million Btu of actual heat input). 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).

1.b Emission Limitation: Visible particulate emission limitations for stack emissions:
(1) Except as otherwise specified in (2), visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average.
(2) Visible particulate emissions from any stack may exceed 20% opacity, as a 6-minute average, for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60% opacity, as a 6-minute average, at any time.

Applicable Compliance Method: OAC rule 3745-17-03(B)(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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