

Attention:

Natural Gas Pipeline Company of America  
Attn: Charles Barker  
370 Van Gordon Street  
Lakewood, Colorado 80228-8304

State of Illinois

CLEAN AIR ACT PERMIT  
PROGRAM (CAAPP) PERMIT

Source:

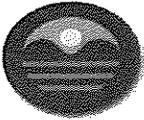
Natural Gas Pipeline Company  
5611 South West Road  
Herscher, Illinois 60941

I.D. No.: 091811AAB  
Permit No.: 95120215

Permitting Authority:

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
217/785-1705





ILLINOIS ENVIRONMENTAL PROTECTION AGENCY <sup>Table of Contents</sup>

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19506, SPRINGFIELD, ILLINOIS 62794-9506 - (217) 782-2113

PAT QUINN, GOVERNOR

LISA BONNETT, DIRECTOR

**CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT**

Type of Application: Renewal  
Purpose of Application: Renew Existing CAAPP Permit for 5 Years

ID No.: 091811AAB  
Permit No.: 95120215  
Statement of Basis No.: 95120215-1406

Date Application Received: June 6, 2011  
Date Issued: October 2, 2014  
Expiration Date: October 2, 2019  
Renewal Submittal Date: 9 Months Prior to Expiration Date

Source Name: Natural Gas Pipeline Company  
Address: 5611 South West Road  
City: Herscher  
County: Kankakee  
ZIP Code: 60941

This permit is hereby granted to the above-designated source authorizing operation in accordance with this CAAPP permit, pursuant to the above referenced application. This source is subject to the conditions contained herein. For further information on the source see Section 1 and for further discussion on the effectiveness of this permit see Condition 2.3(g).

If you have any questions concerning this permit, please contact Jacob Nutt at 217/524-7637.

Raymond E. Pilapil  
Acting Manager, Permit Section  
Division of Air Pollution Control

REP:MTR:JDN:jws

cc: IEPA, Permit Section  
IEPA, FOS, Region 1  
Lotus Notes Database



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**Section 1 - Source Information**

**1. Addresses**

<p><u>Source</u>                  Natural Gas Transmission Station 201                  5611 South West Road                  Herscher, Illinois 60941</p>	<p><u>Owner</u>                  Natural Gas Pipeline Company of America                  370 Van Gordon Street                  Lakewood, Colorado 80228-8304</p>
<p><u>Operator</u>                  Daniel Bergan                  5611 South 12000 West Road                  Herscher, Illinois 60941</p>	<p><u>Permittee</u>                  The Owner and Operator of the source as identified in this table.</p>

**2. Contacts**

Certified Officials

The source shall submit an Administrative Permit Amendment for any change in the Certified Officials, pursuant to Section 39.5(13) of the Act.

	Name	Title
Responsible Official	Dee Bennett	Director of Operations
Delegated Authority	No other individuals have been authorized by the IEPA.	N/A

Other Contacts

	Name	Phone No.	Email
Source Contact	Daniel Bergan	815-426-2151	daniel_bergan@kindermorgan.com
Technical Contact	Charles Barker	303-914-7616	Charles_Barker@kindermorgan.com
Correspondence	Charles Barker	303-914-7616	Charles_Barker@kindermorgan.com
Billing	Charles Barker	303-914-7616	Charles_Barker@kindermorgan.com

**3. Single Source**

The source identified in Condition 1.1 above shall be defined to include all the following additional source(s):

I.D. No.	Permit No.	Single Source Name and Address
N/A	N/A	N/A

## Section 2 - General Permit Requirements

### 1. Prohibitions

- a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]
- b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]
- c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]
- d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

### 2. Emergency Provisions

Pursuant to Section 39.5(7)(k) of the Act, the Owner or Operator of the CAAPP source may provide an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations under this CAAPP permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

- a.
  - i. An emergency occurred and the source can identify the cause(s) of the emergency.
  - ii. The source was at the time being properly operated.
  - iii. The source submitted notice of the emergency to the IEPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
  - iv. During the period of the emergency the source took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or requirements in this permit.
- b. For purposes of Section 39.5(7)(k) of the Act, "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, such as an act of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operation error.
- c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or

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upset provision contained in any applicable requirement. This provision does not relieve the source of any reporting obligations under existing federal or state laws or regulations.

### 3. General Provisions

#### a. Duty to Comply

The source must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [Section 39.5(7)(o)(i) of the Act]

#### b. Need to Halt or Reduce Activity is not a Defense

It shall not be a defense for the source in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Section 39.5(7)(o)(ii) of the Act]

#### c. Duty to Maintain Equipment

The source shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements. [Section 39.5(7)(a) of the Act]

#### d. Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated there under. [Section 39.5(7)(a) of the Act]

#### e. Duty to Pay Fees

- i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi) of the Act]
- ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18)(f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18)(a)(ii)(A) of the Act]
- iii. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois EPA, P.O. Box 19276, Springfield, IL, 62794-9276. Include on the check: ID #, Permit #, and "CAAPP Operating Permit Fees". [Section 39.5(18)(e) of the Act]

#### f. Obligation to Allow IEPA Surveillance

Pursuant to Sections 4(a), 39.5(7)(a), and 39.5(7)(p)(ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

- i. Enter upon the source's premises where the emission unit(s) are located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

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- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- 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. Sample or monitor any substances or parameters at any location at reasonable times:
  - A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or
  - B. As otherwise authorized by the Act.
- v. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

**g. Effect of Permit**

- i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:
  - A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.
  - B. The liability of the Owner or Operator of the source for any violation of applicable requirements prior to or at the time of permit issuance.
  - C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.
  - D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.
- ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

**h. Severability Clause**

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, other portions of this permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and the rights and obligations of the source shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7)(i) of the Act]

**4. Testing**

- a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of

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any tests conducted as required by this permit or as the result of a request by the IEPA shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7)(a) of the Act]

- b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
- i. **Testing by Owner or Operator:** The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.
  - ii. **Testing by the IEPA:** The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

## **5. Recordkeeping**

### **a. Control Equipment Maintenance Records**

Pursuant to Section 39.5(7)(b) of the Act, a maintenance record shall be kept on the premises for each item of air pollution control equipment. At a minimum, this record shall show the dates maintenance was performed and the nature of preventative maintenance activities.

### **b. Retention of Records**

- i. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7)(e)(ii) of the Act]
- ii. Pursuant to Section 39.5(7)(a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

### **c. Availability of Records**

- i. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.
- ii. Pursuant to Section 39.5(7)(a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of

requested material would make this overly burdensome, in which case, the Permittee shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.9(d))

## 6. Certification

### a. Compliance Certification

- i. Pursuant to Section 39.5(7)(p)(v)(C) of the Act, the source shall submit annual compliance certifications by May 1 unless a different date is specified by an applicable requirement or by a particular permit condition. The annual compliance certifications shall include the following:
  - A. The identification of each term or condition of this permit that is the basis of the certification.
  - B. The compliance status.
  - C. Whether compliance was continuous or intermittent.
  - D. The method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- ii. Pursuant to Section 39.5(7)(p)(v)(D) of the Act, all compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the IEPA Compliance Section. Addresses are included in Attachment 3.
- iii. Pursuant to Section 39.5(7)(p)(i) of the Act, all compliance reports required to be submitted shall include a certification in accordance with Condition 2.6(b).

### b. Certification by a Responsible Official

Any document (including reports) required to be submitted by this permit shall contain a certification by the responsible official of the source that meets the requirements of Section 39.5(5) of the Act and applicable regulations. [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included in Attachment 4 of this permit.

## 7. Permit Shield

- a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after 8/14/2014 (date USEPA notice started), unless this permit has been modified to reflect such new requirements.
- b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

- c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

#### 8. Title I Conditions

Pursuant to Sections 39(a), 39(f), and 39.5(7)(a) of the Act, as generally identified below, this CAAPP permit may contain certain conditions that relate to requirements arising from the construction or modification of emission units at this source. These requirements derive from permitting programs authorized under Title I of the Clean Air Act (CAA) and regulations thereunder, and Title X of the Illinois Environmental Protection Act (Act) and regulations implementing the same. Such requirements, including the New Source Review programs for both major (i.e., PSD and nonattainment areas) and minor sources, are implemented by the IEPA.

- a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an "applicable Clean Air Act requirement" or an "applicable requirement" in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.
- b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIR".
- i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
- ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.
- c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIN".
- i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
- ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

**9. Reopening and Revising Permit****a. Permit Actions**

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7)(o)(iii) of the Act]

**b. Reopening and Revision**

Pursuant to Section 39.5(15)(a) of the Act, this permit must be reopened and revised if any of the following occur:

- i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;
- iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or
- iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

**c. Inaccurate Application**

Pursuant to Sections 39.5(5)(e) and (i) of the Act, the IEPA has issued this permit based upon the information submitted by the source in the permit application referenced on page 1 of this permit. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation or reopening of this CAAPP under Section 39.5(15) of the Act.

**d. Duty to Provide Information**

The source shall furnish to the IEPA, within a reasonable time specified by the IEPA any information that the IEPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the source shall also furnish to the IEPA copies of records required to be kept by this permit. [Section 39.5(7)(o)(v) of the Act]

**10. Emissions Trading Programs**

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement. [Section 39.5(7)(o)(vii) of the Act]

**11. Permit Renewal**

- a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5)(l) and (o) of the Act]

- b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

**12. Permanent Shutdown**

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

**13. Startup, Shutdown, and Malfunction**

Pursuant to Section 39.5(7)(a) of the Act, in the event of an action to enforce the terms or conditions of this permit, this permit does not prohibit a Permittee from invoking any affirmative defense that is provided by the applicable law or rule.

## Section 3 - Source Requirements

### 1. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

#### a. Fugitive Particulate Matter

- i. Pursuant to 35 IAC 212.301 and 35 IAC 212.314, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source unless the wind speed is greater than 25 mph.

- ii. Compliance Method (Fugitive Particulate Matter)

Pursuant to 35 IAC 212.301, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particulate matter from the source to address compliance with 35 IAC 212.301. For this purpose, daily observations shall be conducted for a week for particular area(s) of concern at the source, as specified in the request, observations shall begin either within one day or three days of receipt of a written request from the IEPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations, including identity of the observer, the date and time of observations, the location(s) from which observations were made, and duration of any fugitive emissions event(s).

#### b. Ozone Depleting Substances

Pursuant to 40 CFR 82.150(b), the Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.
- ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.
- iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.
- iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.
- v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

#### c. Asbestos Demolition and Renovation

- i. Pursuant to Section 9.13(a) of the Act, for any site for which the Owner or Operator must file an original 10-day notice of intent to renovate or demolish

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pursuant to Condition 3.1(c)(ii) below and 40 CFR 61.145(b), the owner or operator shall pay to the IEPA with the filing of each 10-day notice a fee of \$150.

- ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).
- iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation, the Permittee shall comply with the procedures for asbestos emission control established by 40 CFR 61.145(c).

d. **NESHAP Standards (40 CFR 63 Subpart DDDDD)**

Pursuant to 40 CFR 63.7495(b), the source must:

- i. Meet the applicable general provisions of 40 CFR 63 Subpart A. See Condition 7.2(b).
- ii. Have completed with documentation of date one-time energy assessment performed on the source as specified in 40 CFR 63 Subpart DDDDD Table 3 Condition 3, pursuant to 40 CFR 63.7500(a)(1).

e. **Future Emission Standards**

Pursuant to Section 39.5(15)(a) of the Act, this source shall comply with any new or revised applicable future standards of 40 CFR 60, 61, 62, or 63; or 35 IAC Subtitle B after the date issued of this permit. The Permittee shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by Condition 2.6(a). This permit may also have to be revised or reopened to address such new regulations in accordance to Condition 2.9.

**2. Applicable Plans and Programs**

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

a. **Fugitive PM Operating Program**

Should this source become subject to 35 IAC 212.302, the Permittee shall prepare and operate under a Fugitive PM Operating Program consistent with 35 IAC 212.310 and submitted to the IEPA for its review. The Fugitive PM Operating Program shall be designed to significantly reduce fugitive particulate matter emissions, pursuant to 35 IAC 212.309(a). Any future Fugitive PM Operating Program made by the Permittee during the permit term is automatically incorporated by reference provided the Fugitive PM Operating Program is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the Fugitive PM Operating Program. In the event that the IEPA notifies the Permittee of a deficiency with any Fugitive PM Operating Program, the Permittee shall be required to revise and resubmit the Fugitive PM Operating Program within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

b. **PM<sub>10</sub> Contingency Measure Plan**

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM<sub>10</sub> Contingency Measure Plan reflecting the PM<sub>10</sub> emission reductions as set forth in 35 IAC 212.701 and 212.703. The Permittee shall, within 90 days after the

date this source becomes subject to 35 IAC 212.700, submit a request to modify this CAAPP permit in order to include a new, appropriate PM<sub>10</sub> Contingency Measure Plan.

**c. Episode Action Plan**

- i. Pursuant to 35 IAC 244.141, the Permittee shall have on file with the IEPA an Episode Action Plan for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The Episode Action Plan shall contain the information specified in 35 IAC 244.144.
- ii. The Permittee shall immediately implement the appropriate steps described in the Episode Action Plan should an air pollution alert or emergency be declared, as required by 35 IAC 244.169, or as may otherwise be required under 35 IAC 244, Appendix D.
- iii. Pursuant to 35 IAC 244.143(d), if an operational change occurs at the source which invalidates the Episode Action Plan, a revised Episode Action Plan shall be submitted to the IEPA for review within 30 days of the change and is automatically incorporated by reference provided the revision is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the revision. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Episode Action Plan, the Permittee shall be required to revise and resubmit the Episode Action Plan within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.
- iv. The Episode Action Plan, as submitted by the Permittee on May 09, 2014, is incorporated herein by reference. The document constitutes the formal Episode Action Plan required by 35 IAC 244.142, addressing the actions that will be implemented to reduce SO<sub>2</sub>, PM<sub>10</sub>, NO<sub>2</sub>, CO and VOM emissions from various emissions units in the event of a yellow alert, red alert or emergency issued under 35 IAC 244.161 through 244.165.
- v. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Episode Action Plan, any amendments or revisions to the Episode Action Plan (as required by Condition 3.2(c)), and the Permittee shall also keep a record of activities completed according to the Episode Action Plan.

**d. Risk Management Plan (RMP)**

Should this stationary source, as defined in 40 CFR 68.3, become subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68, then the Permittee shall submit a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or submit a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan, as part of the annual compliance certification required by Condition 2.6(a). This condition is imposed in this permit pursuant to 40 CFR 68.215(a)(2)(i) and (ii).

**3. Title I Requirements**

As of the date of issuance of this permit, there are no source-wide Title I requirements that need to be included in this Condition.

**4. Synthetic Minor Limits**

As of the date of issuance of this permit, there are no source-wide synthetic minor limits that need to be included in this Condition.

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**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:
  - I. Requirements in Conditions 3.1(a)(i), 3.1(b), 3.1(c), 3.1(d).
  - II. Requirements in Conditions 3.2(c).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.
- iv. All deviation reports required in this Permit shall be identified, summarized, and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

**b. Semiannual Reporting**

- i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit Semiannual Monitoring Reports to the IEPA, Air Compliance Section, summarizing required monitoring as part of the Compliance Methods in this Permit submitted every six months as follows, unless more frequent reporting is required in other parts of this permit.

<u>Monitoring Period</u>	<u>Report Due Date</u>
January through June	July 31
July through December	January 31

- ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.6(b).

**c. Annual Emissions Reporting**

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report to the Air Quality Planning Section, due by May 1 of the year following the calendar year in which the emissions took place. All records and calculations upon which the verified and reported data are based must be retained by the source.

Section 4 - Emission Unit Requirements

4.1 Reciprocating Internal Combustion Engines

1. Emission Units and Operations

Emission Units	Pollutants Being Regulated	Original Construction Date	Modification/ Reconstruction Date	Air Pollution Control Devices or Measures	Monitoring Devices
01-ENG (Cooper GMWH8 27.2 mmBtu/hr)	SO <sub>2</sub> , PM	Before 1972	N/A	Fuel Injection	None
02-ENG (Cooper GMWH8 27.2 mmBtu/hr)	SO <sub>2</sub> , PM	Before 1972	N/A	Fuel Injection	None
03-ENG (Cooper GMWH8 27.2 mmBtu/hr)	SO <sub>2</sub> , PM	Before 1972	N/A	Fuel Injection	None
04-ENG (Cooper GMWH8 27.2 mmBtu/hr)	SO <sub>2</sub> , PM	Before 1972	N/A	Fuel Injection	None
05-ENG (Cooper GMWH8 27.2 mmBtu/hr)	SO <sub>2</sub> , PM	Before 1972	N/A	Fuel Injection	None
06-ENG (Cooper GMWH8 44.6 mmBtu/hr)	SO <sub>2</sub> , PM	1972	N/A	Fuel Injection	None
12-ENG (Cooper GMVH0 19.8 mmBtu/hr)	SO <sub>2</sub> , PM	1972	N/A	Fuel Injection	None
01-AUX (Cooper JS8 6.8 mmBtu/hr)	SO <sub>2</sub> , PM	Before 1972	N/A	None	None
02-AUX (Cooper JS8 6.8 mmBtu/hr)	SO <sub>2</sub> , PM	Before 1972	N/A	None	None
03-AUX (Caterpillar 6.4 mmBtu/hr)	SO <sub>2</sub> , PM	1994	N/A	None	None

2. Applicable Requirements

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123, No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to Section 212.122 of this Subpart.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on each engine in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the engine, maintenance and repair and/or adjustment of fuel usage. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at

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a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

C. Pursuant to Section 39.5(7)(b) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.

b. i. Sulfur Dioxide Requirements (SO<sub>2</sub>)

A. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.

ii. Compliance Method (SO<sub>2</sub> Requirements)

Monitoring

A. The periodic monitoring requirements sufficient to meet 39.5(7)(f) of the Act are addressed by the operational and production requirements in Condition 4.1.2(c).

c. i. Operational and Production Requirements

A. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas shall be the only fuel fired by each engine.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the type of fuel fired by each engine.

**3. Non-Applicability Determinations**

- a. The engines are not subject to the New Source Performance Standards (NSPS) for stationary spark ignition internal combustion engines, 40 CFR Part 60 Subpart JJJJ, because the engines have not been modified or reconstructed since June 12, 2006.
- b. The engines are not subject to 35 IAC 216.121, because the engines are not fuel combustion units as defined by 35 IAC 211.2470.
- c. The engines are not subject to 35 IAC 217 Subpart Q pursuant to 35 IAC 217.386(a) due to not being located in the geographical zone that it applies to.
- d. The engines are not subject to 35 IAC 212.321 or 212.322, due to the unique nature of such units, a process weight rate cannot be set so that such rules cannot reasonably be applied, pursuant to 35 IAC 212.323.
- e. The engines are not subject to 35 IAC 215.301, because the engines do not use organic material that would make them subject to 35 IAC 215.301.
- f. The engines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for SO<sub>2</sub>, VOM, CO, NO<sub>x</sub> or HAPs, because the engines do not use an add-on control device to achieve compliance with an emission limitation or standard.

**4. Other Requirements**

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. Start-up Requirements**

Pursuant to 35 IAC 201.149, 201.261, and 201.262, the source is authorized to operate in violation of the applicable requirements of Condition 4.1.2(a) during startup. This authorization is provided pursuant to 35 IAC 201.149, 201.261 and 201.262, as the Permittee has applied for such authorization in its application, generally describing the efforts that will be used "...to minimize startup emissions, duration of individual starts, and frequency of startups." The Permittee shall comply with all applicable requirements in Section 7.4 of this permit.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.1.2(a)(i), 4.1.2(b)(i), 4.1.2(c)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

4.2 Reciprocating Internal Combustion Engines With Controls

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
07-ENG (IR SVG12 5.3 mmBtu/hr)	SO <sub>2</sub> , PM, HAP	Before 1972	N/A	NSCR	Thermocouple
08-ENG (IR SVG12 5.3 mmBtu/hr)	SO <sub>2</sub> , PM, HAP	Before 1972	N/A	NSCR	Thermocouple
09-ENG (IR SVG12 5.3 mmBtu/hr)	SO <sub>2</sub> , PM, HAP	Before 1972	N/A	NSCR	Thermocouple
10-ENG (IR SVG 12 5.3 mmBtu/hr)	SO <sub>2</sub> , PM, HAP	Before 1972	N/A	NSCR	Thermocouple
Recovery-1 (Caterpillar G33061TAA 1.4 mmBtu/hr)	PM, SO <sub>2</sub> , CO, VOM, NO <sub>x</sub>	1995	2010	NSCR	Thermocouple

**2. Applicable Requirements**

For the emission units in Condition 4.2.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. Opacity Requirements**

A. Pursuant to 35 IAC 212.123, No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to Section 212.122 of this Subpart.

**ii. Compliance Method (Opacity Requirements)**

**Monitoring**

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the engine in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the engine, maintenance and repair and/or adjustment of fuel usage. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

**Recordkeeping**

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

C. Pursuant to Section 39.5(7)(b) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.

- b. i. Sulfur Dioxide Requirements (SO<sub>2</sub>)
  - A. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.
- ii. Compliance Method (SO<sub>2</sub> Requirements)

Monitoring

  - A. The periodic monitoring requirements sufficient to meet 39.5(7)(f) of the Act are addressed by the operational and production requirements in Condition 4.2.2(c).
- c. i. Hazardous Air Pollutant Requirements (HAP)
  - A. Pursuant to 40 CFR 63.6600(a), the engines must comply with the applicable emission limitations in Table 1a, as follows;
    - i. The Permittee must meet the following emission limitations, except during periods of startup. Limit the concentration of formaldehyde in the stationary RICE exhaust to 350 ppbvd or less at 15 percent O<sub>2</sub>, or Reduce formaldehyde emissions by 76 percent or more.
    - ii. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
- ii. Compliance Method (HAP)

Testing

  - A. Pursuant to 40 CFR 63.6615, the Permittee must comply with the emission limitations and operating limitations, the Permittee must conduct performance tests as specified 40 CFR Part 63, Subpart ZZZZ Table 3 in accordance with 40 CFR 63.6620:
    - I. Limit the concentration of formaldehyde in the stationary RICE exhaust.
      - 1. Conduct subsequent performance tests semiannually.
  - B. Pursuant to 40 CFR 63.6615, the Permittee must comply with the emission limitations and operating limitations, the Permittee must conduct semiannual performance tests as specified 40 CFR Part 63, Subpart ZZZZ table 4, item 2.
    - I. Reduce formaldehyde emissions
      - 1. Select the sampling port location and the number/location of traverse points at the inlet and outlet of the control device.
      - 2. Measure O<sub>2</sub> at the inlet and outlet of the control device.
      - 3. Measure moisture content at the inlet and outlet of the control device.
      - 4. If demonstrating compliance with the formaldehyde percent reduction requirement, measure formaldehyde at the inlet and the outlet of the control device.

5. If demonstrating compliance with the THC percent reduction requirement, measure THC at the inlet and the outlet of the control device.

Recordkeeping

- A. Pursuant to section 39.5 (7) (b) of the act the Permittee shall maintain a record of the monthly pressure drop measurements across the catalyst.

d. i. Carbon Monoxide Requirements (CO)

- A. Pursuant to 40 CFR 63.6602, Recovery-1 engine must comply with the applicable requirements in 40 CFR Part 63, Subpart ZZZZ Table 2c, as follows:
  - i. The Permittee must meet the following emission limitations, except during periods of startup. Limit concentration of CO in the stationary RICE exhaust to 47 ppmvd or less at 15 percent O<sub>2</sub>.
  - ii. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
- B. Pursuant to Construction Permit #09100002, emissions of CO from Recovery-1 shall not exceed 1.0 g/HP-hr or 86 ppmvd at 15 percent O<sub>2</sub>.

ii. Compliance Method (CO)

Testing

- A. Pursuant to 40 CFR 63.6602 and Section 39.5(7) (a) of the Act, the Permittee must conduct annual performance tests as specified in accordance with 40 CFR 63.6620 and 40 CFR Part 63, Subpart ZZZZ table 4, item 1.
  - I. Reduce CO emissions
    1. Select the sampling port location and the number/location of traverse points at the inlet and outlet of the control device.
    2. Measure the O<sub>2</sub> at the inlet and outlet of the control device.
    3. Measure the CO at the inlet and the outlet of the control device.

Recordkeeping

- A. Pursuant to Section 39.5(7) (b) of the Act, records of the conducted tests shall be kept in accordance with the general conditions 2.5(b) and testing requirements of Section 7.

e. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to Construction Permit #09100002, emissions of VOM from Recovery-1 shall not exceed 4.0 g/HP-hr or 540 ppmvd at 15 percent O<sub>2</sub>.

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Testing

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall conduct a test of VOM emissions from the engine by using Method 25 within 18 months of the issuance of this permit and every 5 years thereafter. The Permittee shall comply with all applicable testing requirements of Section 7.1

Recordkeeping

- C. Pursuant to section 39.5(7)(b) of the Act the Permittee shall maintain records of the following items for the reciprocating internal combustion engines.

- I. The Permittee shall keep the following records:

- 1. Record of VOM in g/HP-hr and ppmvd at 15 percent O<sub>2</sub>, with supporting calculations.

- f. i. Nitrogen Oxide Requirements (NO<sub>x</sub>)

- A. Pursuant to Construction Permit #09100002, emissions of VOM from Recovery-1 shall not exceed 3.0 g/HP-hr or 250 ppmvd at 15 percent O<sub>2</sub>.

- ii. Compliance Method (NO<sub>x</sub> Requirements)

Monitoring

- A. Pursuant to 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Testing

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall conduct a test of NO<sub>x</sub> emissions from the engine by using Method 7 or 7E within 18 months of the issuance of this permit and every 5 years thereafter. The Permittee shall comply with all applicable testing requirements of Section 7.1

Recordkeeping

- C. Pursuant to section 39.5(7)(b) of the Act the Permittee shall maintain records of the following items for the reciprocating internal combustion engines.

- I. The Permittee shall keep the following records:

- 1. Record of NO<sub>x</sub> in g/HP-hr and ppmvd at 15 percent O<sub>2</sub>, with supporting calculations.

- g. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas shall be the only fuel fired by each engine.
  - B. Pursuant to 40 CFR 63.6605 (b) At all times the Permittee must operate and maintain any each source, including associated air pollution control

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equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

- C. Pursuant to 40 CFR 63.6600(a), engines 07-ENG, 08-ENG, 09-ENG, and 10-ENG must comply with the operating limitations in Table 1b, as follows:
  - I. Maintain each catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst measured during the initial performance test.
  - iii. Maintain the temperature of each stationary RICE exhaust so that the catalyst inlet temperature is greater than or equal to 750°F and less than or equal to 1250°F.

ii. Compliance Method (Operational and Production Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of each engine and associated auxiliary equipment.
- B. Pursuant to 40 CFR 63.6640, for engines 07-ENG, 08-ENG, 09-ENG, and 10-ENG the Permittee must demonstrate continuous compliance by the following:
  - I. Collecting the catalyst inlet temperature data according to 63.6625(b)
  - II. Reducing these data to 4-hour rolling averages
  - III. Maintaining the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature
  - IV. Measuring the pressure drop across the catalyst once per month and demonstrating that the pressure drop across the catalyst is within the operating limitation established during the performance test.

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of each inspection performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.
- B. Pursuant to 40 CFR 63.6655(a) the Permittee must keep the records described as follows:
  - I. A copy of each notification and report that the Permittee submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that the Permittee submitted, according to the requirement in 63.10(b)(2)(xiv).
  - II. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

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- III. Records of performance tests and performance evaluations as required in 63.10(b)(2)(viii).
  - IV. Records of all required maintenance performed on the air pollution control and monitoring equipment.
  - V. Records of actions taken during periods of malfunction to minimize emissions in 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- C. Pursuant to 40 CFR 63.6655(a) the Permittee must keep the records described as follows:
- I. Records described in 63.10(b)(2)(vi) through (xi).
  - II. Previous (i.e., superseded) versions of the performance evaluation plan as required in 63.8(d)(3).
  - III. Requests for alternatives to the relative accuracy test for CPMS as required in 63.8(f)(6)(i), if applicable.
- D. Pursuant to section 39.5(7)(b) of the act the Permittee shall maintain a record of the monthly pressure drop measurements across the catalyst.

### 3. Non-Applicability Determinations

- a. The engines are not subject to the New Source Performance Standards (NSPS) for reciprocating internal combustion engines, 40 CFR Part 60 Subpart JJJJ, because the engines have not been modified or reconstructed since June 12, 2006.
- b. The engines are not subject to 35 IAC 212.321 or 212.322, due to the unique nature of such units, a process weight rate cannot be set so that such rules cannot reasonably be applied, pursuant to 35 IAC 212.323.
- c. The engines are not subject to 35 IAC 215.301, because the engines do not use organic material that would make them subject to 35 IAC 215.301.
- d. The engines are not subject to 35 IAC 216.121, because the engines are not fuel combustion units as defined by 35 IAC 211.2470.
- e. The engines are not subject to 35 IAC 217 Subpart Q pursuant to 35 IAC 217.386(a) due to not being located in the geographical zone that it applies to.
- f. The engines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for SO<sub>2</sub>, PM, because the engines do not use an add-on control device to achieve compliance with an emission limitation or standard for SO<sub>2</sub> or PM.
- g. The engines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for HAPs because the engines are subject to post 1990 NESHAP for HAP emissions.

### 4. Other Requirements

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

#### a. Start-up Requirements

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Pursuant to 35 IAC 201.249, 201.261, and 201.262, the source is authorized to operate in violation of the applicable requirements of Condition 4.2.2(a) during startup. This authorization is provided pursuant to 35 IAC 201.149, 201.261 and 201.262, as the Permittee has applied for such authorization in its application, generally describing the efforts that will be used "...to minimize startup emissions, duration of individual starts, and frequency of startups."

- i. The Permittee shall comply with all applicable requirements in Section 7.4 of this permit.

## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

### a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.2.2(a)(i), 4.2.2(b)(i), 4.2.2(c)(i), 4.2.2(d)(i), and 4.2.2(e)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

### b. Federal Reporting (ZZZZ)

- i. The existing engines 7, 8, 9, and 10 are subject to the reporting requirements pursuant to 40 CFR 63.6650.
  - A. If there are no deviations from any emission limitations or operating limitations that apply to the Permittee, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. If there were no periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.
    - I. Semiannually according to the requirements in 63.6650(b)(1)-(5) for engines that are not limited use stationary RICE subject to numerical emission limitations; and

- II. Annually according to the requirements in 63.6650(b)(6)-(9) for engines that are limited use stationary RICE subject to numerical emission limitations.
  - B. If the Permittee had a deviation from any emission limitation or operating limitation during the reporting period, the information in 63.6650(d). If there were periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in 63.8(c)(7), the information in 63.6650(e).
    - I. Semiannually according to the requirements in 63.6650(b).
  - C. If the Permittee had a malfunction during the reporting period, the information in 63.6650(c)(4).
    - I. Semiannually according to the requirements in 63.6650(b).
- ii. Pursuant to 63.6640(b), the Permittee must report each instance in which the Permittee did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d that apply to the Permittee. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements. If the Permittee changes the perimeter catalyst, the Permittee must reestablish the values of the operating parameters measured during the initial performance test. When the Permittee reestablish the values of the perimeter operating parameters, the Permittee must also conduct a performance test to demonstrate that the Permittee are meeting the required emission limitation applicable to the Permittees stationary RICE.
  - A. The Permittee must also report each instance in which the Permittee did not meet the requirements in Table 8 that apply to the Permittee.

4.3 Reciprocating Internal Combustion Engine (Subject to NSPS Subpart JJJJ)

**1. Emission Units and Operations**

Emission Units	Pollutants Being Regulated	Original Construction Date	Modification/ Reconstruction Date	Air Pollution Control Devices or Measures	Monitoring Devices
16-ENG (Caterpillar G16CM34 Nominal Capacity 8,180 HP)	SO <sub>2</sub> , PM, HAP	2008	N/A	Oxidation Catalyst	None

**2. Applicable Requirements**

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

a. Opacity Requirements

A. Pursuant to 35 IAC 212.123, no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to Section 212.122 of this Subpart.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the engine in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the turbine, maintenance and repair and/or adjustment of fuel usage. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.
- C. Pursuant to Section 39.5(7)(b) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.
- D. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the engine is subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7 and Table 7, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

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b. i. Sulfur Dioxide Requirements (SO<sub>2</sub>)

- A. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.
- B. Pursuant to Construction Permit #07110051, emissions of SO<sub>2</sub> from the engine being negligible, as it is being fired with pipeline quality natural gas. For this purpose emissions shall not exceed 0.05 lb/hour and 0.2 ton/year. [T1]

ii. Compliance Method (SO<sub>2</sub> Requirements)

Monitoring

- A. The periodic monitoring requirements are addressed by the operational and production requirements in Condition 4.3.2(d) and the work practice requirement in Condition 4.3.2(e).

c. i. Hazardous Air Pollutant Requirements (HAP)

- A. Pursuant to the, 40 CFR 63.6590(c), the ENG-16 engine shall comply with 40 CFR 60, Subpart JJJJ tables 1 and 2.
- B. The emissions of the engine shall not exceed the following limits pursuant to Construction Permit #07110051. [T1]

Pollutant	Emissions Limit	
	Lbs/Hour	Tons/Year
HAPs (total)	1.6	7.1

ii. Compliance Method (HAP)

Testing

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall conduct a test of HAP emissions from the engine by using Method 10 within 18 months of the issuance of this permit and every 5 years thereafter. The Permittee shall comply with all applicable testing requirements of Section 7.1

Recordkeeping

- B. Pursuant to section 39.5(7)(b) of the Act the Permittee shall maintain records of the following items for the reciprocating internal combustion engines.
  - I. The Permittee shall keep the following records:
    - 1. Record of HAP in lb/hr and tons/yr, with supporting calculations.

d. i. Particulate Matter Requirements (PM)

- A. The emissions of the engine shall not exceed the following limits pursuant to Construction Permit #07110051. [T1]

Pollutant	Emissions Limit	
	Lbs/Hour	Tons/Year
PM	0.5	2.3

ii. Compliance Method (PM)

Testing

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall conduct a test of PM emissions from the engine by using Method 10 within 18 months of the issuance of this permit and every 5 years thereafter. The Permittee shall comply with all applicable testing requirements of Section 7.1

Recordkeeping

- B. Pursuant to section 39.5(7)(b) of the Act the Permittee shall maintain records of the following items for the engine.

I. The Permittee shall keep the following records:

1. Record of PM in lbs/hr and tons/yr, with supporting calculations.

e. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to the 40 CFR 60.4233(f)(4), the emissions from engine ENG-16 shall not exceed:

- I. Volatile organic compounds (VOC) emission standard of 1.0 g/HP-hour or 86 ppmvd at 15 percent O<sub>2</sub>.

- B. Pursuant to Construction Permit #07110051, the emissions of the engine shall not exceed the following limits. [T1]

Pollutant	Emissions Limit	
	Lbs/hour	Tons/year
VOM	4.2	18.3

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Testing

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall conduct a test of VOM emissions from the engine by using Method 25 within 18 months of the issuance of this permit and every 5 years thereafter. The Permittee shall comply with all applicable testing requirements of Section 7.1

Recordkeeping

- C. Pursuant to section 39.5(7)(b) of the Act the Permittee shall maintain records of the following items for the reciprocating internal combustion engines.

I. The Permittee shall keep the following records:

1. Record of VOM in lbs/hr and tons/yr, with supporting calculations.

f. i. Carbon Monoxide Requirements (CO)

- A. Pursuant to the 40 CFR 60.4233(f)(4), the emissions from engine ENG-16 shall not exceed:
  - I. Carbon Monoxide (CO) emission standard of 4.0 g/HP-hour or 540 ppmvd at 15 percent O<sub>2</sub>.
- B. The emissions of the engine shall not exceed the following limits pursuant to Construction Permit #07110051. [T1]

Pollutant	Emissions Limit	
	Lbs/hour	Tons/year
CO	3.1	13.3

ii. Compliance Method (CO Requirements)

Testing

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall conduct a test of CO emissions from the engine by using Method 10 within 18 months of the issuance of this permit and every 5 years thereafter. The Permittee shall comply with all applicable testing requirements of Section 7.1

Recordkeeping

- B. Pursuant to section 39.5(7)(b) of the Act the Permittee shall maintain records of the following items for the reciprocating internal combustion engines.
  - I. The Permittee shall keep the following records:
    - 1. Record of CO in lb/hr and tons/yr, with supporting calculations.

g. i. Nitrogen Oxide Requirements (NO<sub>x</sub>)

- A. Pursuant to the 40 CFR 60.4233(f)(4), the emissions from engine ENG-16 shall not exceed:
  - I. Nitrogen oxides (NO<sub>x</sub>) emission standard of 3.0 grams per HP-hour (g/HP-hour) or 250 ppmvd at 15 percent oxygen (O<sub>2</sub>).
- B. The emissions of the engine shall not exceed the following limits pursuant to Construction Permit #07110051. [T1]

Pollutant	Emissions Limit	
	Lbs/hour	Tons/year
NO <sub>x</sub>	12.6	55.3

ii. Compliance Method (NO<sub>x</sub> Requirements)

Monitoring

- A. Pursuant to 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Testing

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall conduct a test of NO<sub>x</sub> emissions from the engine by using Method 7 or 7E within 18 months of the issuance of this permit and every 5 years thereafter. The Permittee shall comply with all applicable testing requirements of Section 7.1.

Recordkeeping

- C. Pursuant to section 39.5(7)(b) of the Act the Permittee shall maintain records of the following items for the reciprocating internal combustion engines.

- I. The Permittee shall keep the following records:

- 1. Record of NO<sub>x</sub> in lbs/hr and tons/yr, with supporting calculations.

h. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas shall be the only fuel fired by each engine.
- B. Pursuant to Construction Permit #07110051 the rated heat input capacity of 16-ENG shall not exceed 53.3 million Btu per hour. [T1]
- C. Pursuant to 40 CFR 60.8, the Permittee shall, maintain and operate the engine, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practice for minimizing emissions at all times, including periods of startup, shutdown, and malfunction.
- D. Pursuant to Construction Permit #07110051 16-ENG engine shall be equipped, operated, and maintained with an oxidation catalyst to control CO, VOM, and formaldehyde emissions. [T1]

ii. Compliance Method (Operational and Production Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform annual inspections of each engine and associated auxiliary equipment, which shall specifically note the presence and condition of the oxidation catalyst required by Condition 4.3.2(d)(i)(D).
- B. Pursuant to Construction Permit #07110051 the Permittee shall either carry out operational evaluations and inspections for the engine accompanied by appropriate maintenance on a regular basis or carry out detailed inspections and evaluations for the engine accompanied by appropriate maintenance on least an annual basis (or at least an equivalent frequency in terms of actual engine operating hours if the engine is removed from routine service). [T1]

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the type of fuel fired by each engine.
- B. Pursuant to 39.5(7)(b) of the act the Permittee must keep records of maximum designed firing rate for 16-ENG (mmBtu/hr).

- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of each inspection performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.

### 3. Non-Applicability Determinations

- a. The engine is not subject to 35 IAC 212.321 or 212.322, due to the unique nature of such units, a process weight rate cannot be set so that such rules cannot reasonably be applied, pursuant to 35 IAC 212.323.
- b. The engine is not subject to 35 IAC 215.301, because the engines do not use organic material that would make them subject to 35 IAC 215.301.
- c. The engine is not subject to 35 IAC 216.121, because the engines are not fuel combustion units as defined by 35 IAC 211.2470.
- d. The engines are not subject to 35 IAC 217 Subpart Q pursuant to 35 IAC 217.386(a) due to not being located in the geographical zone that it applies to.
- e. The engine is not subject to the requirements of 35 IAC 215.143 because the blowdown emissions associated with engine is not considered to be vapor blowdown pursuant to 35 IAC 215.143.

### 4. Other Requirements

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

#### a. Start-up Requirements

##### i. Start-up Requirements

Pursuant to 35 IAC 201.149, 201.261, and 201.262, the source is authorized to operate in violation of the applicable requirements of Condition 4.3.2(a) during startup. This authorization is provided pursuant to 35 IAC 201.149, 201.261 and 201.262, as the Permittee has applied for such authorization in its application, generally describing the efforts that will be used "...to minimize startup emissions, duration of individual starts, and frequency of startups."

- A. The Permittee shall comply with all applicable requirements in Section 7.4 of this permit.

### 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

#### a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:

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Section 4 - Emission Unit Requirements  
4.3 - Reciprocating Internal Combustion Engines  
(Subject to NSPS Subpart JJJJ)

- I. Requirements in Conditions 4.3.2(a)(i), 4.3.2(b)(i), 4.3.2(c)(i), 4.3.2(d)(i), 4.3.2(e)(i), and 4.3.2(f)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

4.4 Turbines

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
13-ENG (Natural gas Fired Turbine 7500 HP)	SO <sub>2</sub> , PM	Before 1972	N/A	None	None
14-ENG (Natural gas Fired Turbine 7500 HP)	SO <sub>2</sub> , PM	Before 1972	N/A	None	None
15-ENG (Natural gas Fired Turbine 7500 HP)	SO <sub>2</sub> , PM	Before 1972	N/A	None	None

**2. Applicable Requirements**

For the emission units in Condition 4.4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123, No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to Section 212.122 of this Subpart.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on each turbine in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the turbine, maintenance and repair and/or adjustment of fuel usage. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

C. Pursuant to Section 39.5(7)(b) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.

b. i. Sulfur Dioxide Requirements (SO<sub>2</sub>)

A. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.

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ii. Compliance Method (SO<sub>2</sub> Requirements)

Monitoring

- A. The periodic monitoring are addressed by the operational and production requirements in Condition 4.4.2(d) and the work practice requirement in Condition 4.4.2(e).

c. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas shall be the only fuel fired by each turbine.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records that a pipeline natural gas is the only fuel used.

**3. Non-Applicability Determinations**

- a. The turbines are not subject to 35 IAC 216.121 (carbon monoxide emissions limits), because each turbine is not by definition a fuel combustion emission unit.
- b. The turbines are not subject to 35 IAC 217.121 (nitrogen oxides emission limits), because each turbine is not by definition a fuel combustion emission unit.
- c. The turbines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because each turbine does not use an add-on control device to achieve compliance with an emission limitation or standard.
- d. The turbines are not subject to 40 CFR Part 60 Subpart GG (standards of performance for stationary gas turbines), because the turbines were not constructed, modified, or reconstructed after October 3, 1977. The three turbines were all constructed prior to October 3, 1977.
- e. The turbines are not subject to 35 IAC 212.321 or 212.322, due to the unique nature of such units, a process weight rate cannot be set so that such rules cannot reasonably be applied, pursuant to 35 IAC 212.323.
- f. The turbines are not subject to 35 IAC 215.301, because the turbines do not use organic material that would make them subject to 35 IAC 215.301.
- g. The turbines are not subject to 40 CFR 63, Subpart YYYY because the turbines were constructed prior January 15, 2003 so that they are considered existing sources pursuant to 40 CFR 63.6090(b)(4).

**4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

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a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.4.2(a)(i), 4.4.2(b)(i), 4.4.2(c)(i), 4.4.2(d)(i), and 4.4.2(e)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

4.5 Boilers

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
01-BOL (Natural Gas Fired Boiler 16.5 mmBtu)	CO	Before 1972	N/A	None	None
02-BOL (Natural Gas Fired Boiler 16.5 mmBtu)	CO	Before 1972	N/A	None	None
04-BOL (Natural Gas Fired Boiler 16.5 mmBtu)	CO	2000	N/A	None	None

**2. Applicable Requirements**

For the emission units in Condition 4.5.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123, No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to Section 212.122 of this Subpart.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the boiler in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the boiler, maintenance and repair and/ or adjustment of fuel usage. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

C. Pursuant to Section 39.5(7)(b) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.

- b. i. Carbon Monoxide Requirements (CO)
  - A. Pursuant to 35 IAC 216.121, the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission unit with actual heat input greater than 2.9 MW (10 mmBtu/hr) shall not exceed 200 ppm, corrected to 50 percent excess air.
- ii. Compliance Method (CO)
  - A. Periodic monitoring sufficient to meet 39.5(7)(f) of act are addressed by Condition 4.5.2(d)(i) and (ii).
- c. i. Operational and Production Requirements
  - A. Pursuant to Section 39.5(7)(a) of the Act, natural gas shall be the only fuel fired by the boiler.
- ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

  - A. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall maintain records of the type of fuel fired in the boiler.
- d. i. Work Practice Requirements
  - A. Pursuant to 40 CFR 63.7485 and 40 CFR 63.7495(b), the Permittee is subject to the National Emission Standards for Hazardous Air Pollutants, Subpart DDDDD, for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters, and must comply by January 31, 2016.
    - I. Pursuant to 40 CFR 63.7565 and 63.7500, the Permittee shall meet the applicable general provisions of 40 CFR 63 Subpart A (see Condition 7.2(a)) and the tune-up requirements in Condition 4.5.2(d)(B) and (C).
  - B. Pursuant to 40 CFR 63.7500(a)(1) and 40 CFR 63 Subpart DDDDD Table 3, #2, conduct a tune-up of the boiler biennially as specified in 40 CFR 63.7540 and Condition 4.4.2(d)(ii)(C). Pursuant to 40 CFR 63.7515(d), each biennial tune-up must be no more than 25 months after the previous tune-up.
    - I. Pursuant to 40 CFR 63.7540(a)(13), if the boiler is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.
  - C. Pursuant to 40 CFR 63.7540(a)(11), (12) and 40 CFR 63.7540(a)(10)(i) through 63.7540(a)(10)(v), each tune-up shall consist of:
    - I. As applicable, inspect the burner, and clean or replace any components of the burner as necessary. (The Permittee may delay the burner inspection until the next scheduled unit shutdown. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment).
    - II. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.

- III. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.
- IV. Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.
- V. Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

ii. Compliance Method (Work Practice Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of each inspection and tune-up performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections/tune-ups were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections/tune-ups, operation and maintenance procedures, and a description of any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.
- B. Pursuant to 40 CFR 60.48c(g), NSPS for Small Industrial-Commercial-Institutional Steam Generating Units. 04-BOL is subject only to the daily fuel and recordkeeping requirements of subpart Dc.

**3. Non-Applicability Determinations**

- a. The boilers are not subject to 35 IAC 215.301 (VOM), pursuant to 35 IAC 215.303.
- b. The boilers are not subject to 35 IAC 217.121 (NO<sub>x</sub>), emission of nitrogen oxides from new fuel combustion emission sources, because the actual heat input of each of these affected boilers is less than 73.2 MW (250 mmBtu/hr).
- c. The boilers 01-BOL and 02-BOL are not subject to 40 CFR Part 60 subpart Db (industrial commercial institutional steam generating units), because the boilers were constructed before June 9, 1984.
- d. The boiler 04-BOL is not subject to 40 CFR Part 60 subpart Db (industrial commercial institutional steam generating units), because it does not have a heat input of greater than 100 mmBtu/hr.
- e. The boilers are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for SO<sub>2</sub>, PM, VOM, NO<sub>x</sub>, CO, or HAPs because the boilers do not use an add-on control device to achieve compliance with an emission limitation or standard.

**4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

Natural Gas Pipeline Company  
I.D. No.: 091811AAB  
Permit No.: 95120215

Date Received: 06/06/2011  
Date Issued: 10/02/2014

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.5.2(a)(i), 4.5.2(b)(i), 4.5.2(c)(i), 4.5.2(d)(i), and 4.5.2(e)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

b. Federal Reporting

- i. The Permittee shall submit the annual compliance reports, pursuant to 40 CFR 63.7550(b), no later than January 31 of each year following the compliance date of January 31, 2016.
- ii. The annual compliance reports shall contain the information required by 40 CFR 63.7550(c) as follows:
  - A. The facility is subject to the requirements of a tune up and they must submit a compliance report with the information as follows:
    - I. The total operating time during the reporting period.
    - II. Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

4.6 Glycol Dehydration Unit

**1. Emission Units and Operations**

Emission Units	Pollutants Being Regulated	Original Construction Date	Modification/ Reconstruction Date	Air Pollution Control Devices or Measures	Monitoring Devices
01-DHY (Gas Conditions, Inc. with natural gas fired reboiler, 2.6 mmBtu/hr)	VOM, SO <sub>2</sub> , HAP, CO	1984	N/A	Flare, Condenser	None

**2. Applicable Requirements**

For the emission units in Condition 4.6.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123, No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to Section 212.122 of this Subpart.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the glycol dehydrator in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the glycol dehydrator, maintenance and repair and/ or adjustment of fuel usage. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

C. Pursuant to Section 39.5(7)(b) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.

b. i. Sulfur Dioxide Requirements (SO<sub>2</sub>)

A. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.

ii. Compliance Method (SO<sub>2</sub> Requirements)

Monitoring

- A. The periodic monitoring requirements sufficient to meet 39.5(7)(f) of the Act are addressed by the operational and production requirements in Condition 4.6.2(d) and the work practice requirement in Condition 4.6.2(e).

c. i. Hazardous Air Pollutant Requirements (HAP)

- A. Pursuant to 40 CFR 63.1275(b)(iii), the Permittee must limit BTEX emissions from each existing small glycol dehydration unit, as defined in 40 CFR 63.1271, to the limit determined in Equation 1 of 40 CFR 63 Subpart HHH. The limits determined using Equation 1, of 40 CFR 63 Subpart HHH, must be met in accordance with one of the alternatives specified in paragraphs 40 CFR 60.1275(b)(1)(iii)(A) through (D) of 40 CFR 63 Subpart HHH.

ii. Compliance Method (HAP Requirements)

Monitoring

- A. Pursuant to 40 CFR 63.1283(c)(2)(i), the Permittee shall:
- I. Conduct annual visual inspections for defects that could result in air emissions. Defects include, but are not limited to, visible cracks, holes, or gaps in piping; loose connections; or broken missing caps or other closure devices. The Permittee shall monitor a component or connection using the procedures specified in 40 CFR 63.1282(b) to demonstrate that it operates with no detectable emissions following any time the component or connection is repaired or replaced or the connection is unsealed.
- B. Pursuant to 40 CFR 63.1282(a)(2)(i), at a minimum, the Permittee shall perform calculations of emissions from the glycol dehydration plant using GRI-GLYCalc™, version 3.0 or higher, and the procedures presented in the associated GRI-GLYCalc™ Technical Reference Manual on at least a monthly basis. Inputs to the model shall be representative of actual operating conditions of the glycol dehydration plant and may be determined using the procedures documented in the Gas Research Institute (GRI) report entitled "Atmospheric Rich/Lean Method for Determining Glycol Dehydrator Emissions" (GRI-95/0368.1).
- C. Pursuant to 40 CFR 63.1275(b)(1)(iii) the BTEX emissions from the outlet of the glycol dehydration unit process vent shall be determined using the procedures specified in paragraph 40 CFR 63.1275(d)(3)(v). As an alternative, the mass rate of BTEX at the outlet of the glycol dehydration unit process vent may be calculated using the model GRI-GLYCalc™, Version 3.0 or higher, and the procedures presented in the associated GRI-GLYCalc™ Technical Reference Manual. Inputs to the model shall be representative of actual operating conditions of the glycol dehydration unit and shall be determined using the procedures documented in the Gas Research Institute (GRI) report entitled "Atmospheric Rich/Lean Method for Determining Glycol Dehydrator Emissions" (GRI-95/0368.1). When the BTEX mass rate is calculated for glycol dehydration units using the model GRI-GLYCalc™, all BTEX measured by Method 18, 40 CFR part 60, appendix A, shall be summed.
- D. Pursuant to 40 CFR 63.1283(d)(3)(i)(C), the Permittee shall install, for the flare, a heat sensing monitoring device equipped with a continuous recorder that indicates the continuous ignition of the pilot flame.

E. Pursuant to 40 CFR 63.1282(d)(2), the Permittee shall operate each flare, as defined in 40 CFR 63.1271, in accordance with the requirements specified in 40 CFR 63.11(b) and the compliance determination shall be conducted quarterly using Method 22 of 40 CFR part 60, Appendix A, to determine visible emissions.

ii. Compliance Method (HAP)

Recordkeeping

- A. The Permittee shall maintain the records required for a flare by 40 CFR 63.1284(e), as if the flare were subject to 40 CFR 63, Subpart HHH.
- B. The Permittee shall keep records of the actual average benzene emission per year in accordance with 40 CFR 63.1284(d).
- C. The Permittee must calculate the daily average condenser outlet temperature in accordance with 63.1283(d)(4).
- D. The Permittee shall determine the condenser efficiency for the current operating day using the daily average condenser outlet temperature calculated in paragraph (f)(2)(i) and the condenser performance curve established in paragraph (f)(1) of 63.1282(f).
- E. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each calculation of HAP emissions performed. These records shall include, at a minimum: date the calculations were performed, opacity readings, the input parameters used, and the emissions from the triethylene glycol dehydration plant with supporting documentation.
- F. Pursuant to 40 CFR 63.1284(b), the Permittee shall maintain the records specified in 40 CFR 63.1284(b)(1) through 40 CFR 63.1284(b)(10).
- G. Pursuant to 40 CFR 63.1284(e), the Permittee shall maintain a record of the following with regards to the flare:
  - I. Flare design (i.e., steam assisted, air-assisted, or non-assisted).
  - II. All visible emission readings, heat content determinations, flowrate measurements, and exit velocity determinations made during the compliance determination required by 40 CFR 63.1282 d(2).
  - III. All hourly records and other recorded periods when the pilot flame is absent.

d. i. CO Requirements

A. Pursuant to Construction Permit #01080018, emissions from the flare shall not exceed the following limits. [T1]

CO	
(Lb/Hr)	(Tons/Yr)
0.30	1.28

ii. Compliance Method (CO)

Recordkeeping

A. Pursuant to section 39.5(7)(b) of the Act the Permittee shall maintain records of the following items for the glycol dehydration unit.

I. The Permittee shall keep the following design records:

1. Record of CO in lbs/hr and tons/yr, with supporting calculations.

e. i. VOM Requirements

a. Pursuant to Construction Permit #01080018, emissions from the flare shall not exceed the following limits. [T1]

VOM	
(Lb/Hr)	(Tons/Yr)
0.32	1.42

ii. Compliance Method (VOM)

Recordkeeping

A. Pursuant to section 39.5(7)(b) of the Act the Permittee shall maintain records of the following items for the glycol dehydration unit.

I. The Permittee shall keep the following design records:

1. Record of VOM in lbs/hr and tons/yr, with supporting calculations.

f. i. Work Practice Requirements

A. Pursuant to Section 39.5(7)(a) of the Act, Natural gas or process waste gas shall be the only fuel fired in the heater (reboiler) for the dehydration unit.

B. I. The flare in the dehydration process shall comply with provisions of the National Emission Standard for Hazardous Air Pollutants (NESHAP), 40 CFR 63.11(b) Control Device Requirements, for unassisted flares.

II. At all times, the Permittee shall to the extent practicable, maintain and operate the new flare, in a manner consistent with good air pollution control practice for minimizing emissions.

C. Pursuant to 40 CFR 63.7485 and 40 CFR 63.7495(b), the Permittee is subject to the National Emission Standards for Hazardous Air Pollutants, Subpart DDDDD, for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters, and must comply by January 31, 2016.

D. Pursuant to 40 CFR 63.7565 and 63.7500, the Permittee shall meet the applicable general provisions of 40 CFR 63 Subpart A (see Condition 7.2(a)) and the tune-up requirements in Condition 4.6.2(d) (B) and (C).

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to 40 CFR 63.7500(a)(1) and 40 CFR 63 Subpart DDDDD Table 3, #2, conduct a tune-up of the heater biennially as specified in 40 CFR 63.7540 and Condition 4.4.2(d)(ii)(C). Pursuant to 40 CFR 63.7515(d), each 5 year tune-up must be no more than 61 months after the previous tune-up.

I. Pursuant to 40 CFR 63.7540(a)(13), if the boiler is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

- B. Pursuant to 40 CFR 63.7540(a)(11), (12) and 40 CFR 63.7540(a)(10)(i) through 63.7540(a)(10)(v), each tune-up shall consist of:
- I. As applicable, inspect the burner, and clean or replace any components of the burner as necessary. (The Permittee may delay the burner inspection until the next scheduled unit shutdown. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment).
  - II. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
  - III. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.
  - IV. Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.
  - V. Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

Recordkeeping

- E. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep records of each inspection and tune-up performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections/tune-ups were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections/tune-ups, operation and maintenance procedures, and a description of any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

**3. Non-Applicability Determinations**

- a. The glycol dehydration unit is not subject to 35 IAC 216.121, emissions of carbon monoxide from fuel combustion emission units, because the heat input of the heater is less than 10 million Btu/hr.
- b. The glycol dehydration unit is not subject to 35 IAC 215.301 because the emissions are not photochemically reactive material as defined in 211.4690.
- c. The glycol dehydration process is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the glycol dehydration process not have potential pre-control device emissions of the applicable regulated air pollutant that equals or exceeds major source threshold levels.

**4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

**5. Reporting Requirements**

Natural Gas Pipeline Company  
I.D. No.: 091811AAB  
Permit No.: 95120215

Date Received: 06/06/2011  
Date Issued: 10/02/2014

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.6.2(a)(i), 4.6.2(b)(i), 4.6.2(c)(i), 4.6.2(d)(i) and 4.6.2(e)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

b. Federal Reporting

- i. The Permittee is subject to this subpart and shall submit the information listed as follows:
  - A. The planned date of a performance test at least 60 days before the test in accordance with 63.7(b). Unless requested by the Administrator, a site-specific test plan is not required by this subpart. If requested by the Administrator, the owner or operator must also submit the site-specific test plan required by 63.7(c) with the notification of the performance test.
  - B. Each owner or operator of a source subject to this subpart shall submit a Notification of Compliance Status Report as required under 63.9(h) within 180 days after the compliance date specified in 63.1270(d). This information may be submitted in an operating permit application, in an amendment to an operating permit application, in a separate submittal, or in any combination of the three. If all of the information required under this paragraph have been submitted at any time prior to 180 days after the applicable compliance dates specified in 63.1270(d), a separate Notification of Compliance Status Report is not required.
  - C. An owner or operator shall submit Periodic Reports semiannually beginning 60 calendar days after the end of the applicable reporting period. The first report shall be submitted no later than 240 days after the date the Notification of Compliance Status Report is due and shall cover the 6-month period beginning on the date the Notification of Compliance Status Report is due.

4.7 Storage Tanks

**1. Emission Units and Operations**

Emission Units	Pollutants Being Regulated	Original Construction Date	Modification/ Reconstruction Date	Air Pollution Control Devices or Measures	Monitoring Devices
M2 (Methanol 20000 gallon)	VOM	Before 1972	N/A	None	None
M4 (Methanol 20000 gallon)	VOM	Before 1972	N/A	None	None

**2. Applicable Requirements**

For the emission units in Condition 4.8.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

a. i. Volatile Organic Material Requirements (VOM)

A. Pursuant to 35 IAC 215.122(b) No person shall cause or allow the loading of any organic material in any stationary tank having a storage capacity of greater than 946 liter (250 gal), unless such tank is equipped with a permanent submerged loading pipe [35 IAC 215.122(b)]. Except as provided in the following exemptions: If the tank is a pressure tank then the limitations of 35 IAC 215.122(b) shall not apply or if no odor nuisance exists then the limitation of 35 IAC 215.122(b) shall only apply when the tank is used to store a volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.

ii. Compliance Procedures (VOM)

Monitoring

A. Pursuant to section 39.6(7)(a) of the act on an annual basis, the Permittee shall conduct an inspection of each storage tank to review its physical condition and ability to comply with the applicable equipment requirements of Conditions 4.7.2(a)(i)(A&B).

Recordkeeping

B. Pursuant to section 39.5(7)(b) of the act the Permittee shall maintain records of the following items for each tank to demonstrate compliance with Condition 4.8.2(a)(i)(A&B)

- I. Design information for the tank showing the presence of a submerged loading pipe or submerged fill.
- II. Maintenance and repair records for the tank, as related to the repair or replacement of the loading pipe, if applicable.
- III. Annual inspection documentation, which notes the presence of submerged loading pipe.

**3. Non-Applicability Determinations**

- a. The tanks are not subject to 35 IAC 215.121, because each tank is less than 40,000 gal.
- b. The tanks are not subject to 35 IAC 215.122(a), because each tank is less than 40,000 gal.

- c. The tanks are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because each tank does not use an add-on control device to achieve compliance with an emission limitation or standard as the submerged loading pipe is considered a passive device.

#### 4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

#### 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

##### a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
- I. Requirements in Conditions 4.8.2(a)(i), and 4.8.2(b)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
- A. Date and time of the deviation.
- B. Emission unit(s) and/or operation involved.
- C. The duration of the event.
- D. Probable cause of the deviation.
- E. Corrective actions or preventative measures taken.

**Section 5 - Additional Title I Requirements**

This Section is reserved for Title I requirements not specified in Sections 3 or 4. As of the date of issuance of this permit, there are no Title I requirements that need to be separately addressed in this Section.

## Section 6 - Insignificant Activities Requirements

## 1. Insignificant Activities Subject to Specific Regulations

Pursuant to 35 IAC 201.210 and 201.211, the following activities at the source constitute insignificant activities. Pursuant to Sections 9.1(d) and 39.5(6)(a) of the Act, the insignificant activities are subject to specific standards promulgated pursuant to Sections 111, 112, 165, or 173 of the Clean Air Act. The Permittee shall comply with the following applicable requirements:

Insignificant Activity	Number of Units	Insignificant Activity Category
AUX1-AUX3 (Emergency generators)	3	35 IAC 201.210(a) (16)

a. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements in addition to the applicable requirements in Condition 6.4:

i. National Emission Standards for Hazardous Air Pollutants (NESHAP)

A. Pursuant to 40 CFR 63.6595(a)(i), the source must:

- I. Meet the applicable general provisions of 40 CFR 63 Subpart A. See Condition 7.2(a).
- II. Pursuant to 40 CFR 63.6595(a)(1), the engine must comply with the applicable emission limitations and operating limitations; general compliance requirements; testing and initial compliance requirements; continuous compliance requirements; notifications, reports, and records; and other requirements and information of 40 CFR 63 Subpart ZZZZ.
- III. Must meet the applicable notification requirements of 40 CFR 63.7545 and 40 CFR Part 63 Subpart A.
- IV. Must meet the applicable reporting requirements of 40 CFR 63.7550.

## 2. Insignificant Activities in 35 IAC 201.210(a)

In addition to any insignificant activities identified in Condition 6.1, the following additional activities at the source constitute insignificant activities pursuant to 35 IAC 201.210 and 201.211:

Insignificant Activity	Number of Units	Insignificant Activity Category
IT1 (Inhibitor Tank)	1	35 IAC 201.210(a) (1) and 201.211
SS1 (Sulpha Sweet tank)	1	35 IAC 201.210(a) (1) and 201.211
TEG1, TEG2	2	35 IAC 201.210(a) (1) and 201.211
GASTNK (Gasoline Tank)	1	35 IAC 201.210(a) (1) and 201.211
Road (Fugitive Dust From Facility Roads)	-	35 IAC 201.210(a) (1) and 201.211
SO-1-SO-140 (Schafer Operations)	140	35 IAC 201.210(a) (1) and 201.211
FDS1 (Floor Drain Sump)	1	35 IAC 201.210(a) (2) or (a) (3)

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Date Received: 06/06/2011  
Date Issued: 10/02/2014

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Direct combustion units used for comfort heating and fuel combustion emission units as further detailed in 35 IAC 201.210(a)(4).	26	35 IAC 201.210(a)(4)
Storage tanks of virgin or rerefined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil.	9	35 IAC 201.210(a)(11)

### 3. Insignificant Activities in 35 IAC 201.210(b)

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b)(1) through (28) as being present at the source. The source is not required to individually list the activities.

### 4. Applicable Requirements

Insignificant activities in Conditions 6.1 and 6.2 are subject to the following general regulatory limits notwithstanding status as insignificant activities. The Permittee shall comply with the following requirements, as applicable:

- a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).
- b. Pursuant to 35 IAC 212.321 or 212.322 (see Conditions 7.2(a) and (b)), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units at a source or premises, exceed the allowable emission rates specified 35 IAC 212.321 or 212.322 and 35 IAC Part 266.
- c. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2,000 ppm, except as provided in 35 IAC Part 214.
- d. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gal, unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the IEPA according to 35 IAC Part 201 or unless such tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2). Exception as provided in 35 IAC 215.122(c): If no odor nuisance exists the limitations of 35 IAC 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.

### 5. Compliance Method

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain records of the following items for the insignificant activities in Conditions 6.1 and 6.2:

- a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).
- b. Potential to emit emission calculations before any air pollution control device for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

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<b>6. Notification Requirements for Insignificant Activities</b>
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The source shall notify the IEPA accordingly to the addition of insignificant activities:

**a. Notification 7 Days in Advance**

- i. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3. The notification shall include the following pursuant to 35 IAC 201.211(b):
  - A. A description of the emission unit including the function and expected operating schedule of the unit.
  - B. A description of any air pollution control equipment or control measures associated with the emission unit.
  - C. The emissions of regulated air pollutants in lb/hr and ton/yr.
  - D. The means by which emissions were determined or estimated.
  - E. The estimated number of such emission units at the source.
  - F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.
- ii. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(2) through 201.210(a)(18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3.
- iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any addition of an insignificant activity noted above.

**b. Notification Required at Renewal**

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) and is currently identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit.

**c. Notification Not Required**

Pursuant to 35 IAC 201.212(c) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(b) as describe in Condition 6.3, a notification is not required.

## Section 7 - Other Requirements

### 1. Testing

- a. Pursuant to Section 39.5(7)(a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 3. This protocol shall describe the specific procedures for testing, including as a minimum:
- i. The name and identification of the emission unit(s) being tested.
  - ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.
  - iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.
  - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.
  - v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
  - vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.
  - vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - ix. Sampling of materials, QA/QC procedures, inspections, etc.
- b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.5(7)(a) of the Act as follows:
- i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.
  - ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.
- c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but

no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.5(7)(a) of the Act. The Final Report shall include as a minimum:

- i. General information including emission unit(s) tested.
  - ii. A summary of results.
  - iii. Discussion of conditions during each test run (malfunction/breakdown, startup/shutdown, abnormal processing, etc.).
  - iv. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule.
  - v. Detailed description of test conditions, including:
    - A. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption.
    - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
    - C. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.
  - vi. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
  - vii. An explanation of any discrepancies among individual tests or anomalous data.
  - viii. Results of the sampling of materials, QA/QC procedures, inspections, etc.
  - ix. Discussion of whether protocol was followed and description of any changes to the protocol if any occurred.
  - x. Demonstration of compliance showing whether test results are in compliance with applicable state or federal statutes.
- d. Copies of all test reports and other test related documentation shall be kept on site as required by Condition 2.5(b) pursuant to Section 39.5(7)(e)(ii) of the Act.

**2. PM Process Weight Rate Requirements**

**a. New Process Emission Units - 35 IAC 212.321**

New Process Emission Units For Which Construction or Modification Commenced On or After April 14, 1972. [35 IAC 212.321]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of PM from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c). See Condition 7.2(a)(iii) below. [35 IAC 212.321(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.321(c) shall be determined by using the equation: [35 IAC 212.321(b)]

$$E = A(P)^B$$

Where:

P = Process weight rate (T/hr)  
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 450 T/hr:

A = 2.54  
B = 0.53

B. Process weight rates greater than or equal to 450 T/hr:

A = 24.8  
B = 0.16

iii. Limits for New Process Emission Units: [35 IAC 212.321(c)]

<u>P</u> (T/hr)	<u>E</u> (lbs/hr)	<u>P</u> (T/hr)	<u>E</u> (lbs/hr)
0.05	0.55	25.00	14.00
0.10	0.77	30.00	15.60
0.20	1.10	35.00	17.00
0.30	1.35	40.00	18.20
0.40	1.58	45.00	19.20
0.50	1.75	50.00	20.50
0.75	2.40	100.00	29.50
1.00	2.60	150.00	37.00
2.00	3.70	200.00	43.00
3.00	4.60	250.00	48.50
4.00	5.35	300.00	53.00
5.00	6.00	350.00	58.00
10.00	8.70	400.00	62.00
15.00	10.80	450.00	66.00
20.00	12.50	500.00	67.00

**b. Existing Process Emission Units - 35 IAC 212.322**

Existing Process Emission Units For Which Construction or Modification Commenced Prior to April 14, 1972. [35 IAC 212.322]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any process emission unit for which construction or modification commenced prior to April 14, 1972, which, either alone or in combination with the emission of PM from all other similar process emission units at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.322(c). See Condition 7.2(b)(iii) below. [35 IAC 212.322(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.322(c) shall be determined by using the equation: [35 IAC 212.322(b)]

$$E = C + A(P)^B$$

Where:

P = Process weight rate (T/hr)  
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 450 T/hr:

A = 4.10  
B = 0.67  
C = 0

B. Process weight rates greater than or equal to 450 T/hr:

A = 55.0  
B = 0.11  
C = -40.0

iii. Limits for Existing Process Emission Units: [35 IAC 212.322(c)]

<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>	<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>
0.05	0.55	25.00	35.40
0.10	0.87	30.00	40.00
0.2	1.40	35.00	41.30
0.30	1.83	40.00	42.50
0.40	2.22	45.00	43.60
0.50	2.58	50.00	44.60
0.75	3.38	100.00	51.20
1.00	4.10	150.00	55.40
2.00	6.52	200.00	58.60
3.00	8.56	250.00	61.00
4.00	10.40	300.00	63.10
5.00	12.00	350.00	64.90
10.00	19.20	400.00	66.20
15.00	25.20	450.00	67.70
20.00	30.50	500.00	69.00

**3. 40 CFR 60 Subpart A Requirements (NSPS)**

**a. 40 CFR 60 Subpart A and JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

Pursuant to 40 CFR 60 Subpart A and JJJJ, the Permittee shall comply with the following applicable General Provisions as indicated:

General provisions citation	Subject of citation	Applies to subpart	Explanation
40 CFR 60.1	General applicability of the General Provisions	Yes	
40 CFR 60.2	Definitions	Yes	Additional terms defined in 60.4248.
40 CFR 60.3	Units and abbreviations	Yes	
40 CFR 60.4	Address	Yes	
40 CFR 60.5	Determination of construction or modification	Yes	
40 CFR 60.6	Review of plans	Yes	
40 CFR 60.7	Notification and Recordkeeping	Yes	Except that 60.7 only applies as specified in 60.4245.
40 CFR 60.8	Performance tests	Yes	Except that 60.8 only applies to owners and operators who are subject to performance testing in subpart JJJJ.
40 CFR 60.9	Availability of information	Yes	
40 CFR 60.1	State Authority	Yes	
40 CFR 60.11	Compliance with standards and maintenance requirements	Yes	Requirements are specified in subpart JJJJ.
40 CFR 60.12	Circumvention	Yes	
40 CFR 60.13	Monitoring requirements	No	
40 CFR 60.14	Modification	Yes	
40 CFR 60.15	Reconstruction	Yes	
40 CFR 60.16	Priority list	Yes	
40 CFR 60.17	Incorporations by reference	Yes	
40 CFR 60.18	General control device requirements	No	
40 CFR 60.19	General notification and reporting requirements	Yes	

**4. 40 CFR 63 Subpart A Requirements (NESHAP)**

**a. 40 CFR 63 Subpart A and ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

Pursuant to 40 CFR 63 Subpart A and ZZZZ, the Permittee shall comply with the following applicable General Provisions as indicated:

General Provision Citation	General Provision Applicable?	Subject of Citation	Explanation (if required)
40 CFR 63.1	Yes	General Applicability of the General Provisions	
40 CFR 63.2	Yes	Definitions	Additional terms defined in 40 CFR 63.6675
40 CFR 63.3	Yes	Units and Abbreviations	
40 CFR 63.4	Yes	Prohibited Activities and Circumvention	
40 CFR 63.5	Yes	Construction and reconstruction	
40 CFR 63.6(a)	Yes	Applicability	
40 CFR 63.6(b) (1) - (4)	Yes	Compliance dates for new and reconstructed sources	
40 CFR 63.6(b) (5)	Yes	Notification	
40 CFR 63.6(b) (6)		[Reserved]	
40 CFR 63.6(b) (7)	Yes	Compliance dates for new and reconstructed area sources that become major sources	
40 CFR 63.6(c) (1) - (2)	No	Compliance dates for existing sources	
40 CFR 63.6(c) (3) - (4)		[Reserved]	
40 CFR 63.6(c) (5)	Yes	Compliance dates for existing area sources that become major sources	
40 CFR 63.6(d)		[Reserved]	
40 CFR 63.6(e)	No	Operation and maintenance	
40 CFR 63.6(f) (1)	No	Applicability of standards	
40 CFR 63.6(f) (2)	Yes	Methods for determining compliance	
40 CFR 63.6(f) (3)	Yes	Finding of compliance	
40 CFR 63.6(g) (1) - (3)	Yes	Use of alternate standard	
40 CFR 63.6(h)	No	Opacity and visible emission standards	Subpart ZZZZ does not contain opacity or visible emission standards.
40 CFR 63.6(i)	Yes	Compliance extension procedures and criteria	
40 CFR 63.6(j)	Yes	Presidential compliance exemption	
40 CFR 63.7(a) (1) - (2)	Yes	Performance test dates	Subpart ZZZZ contains performance test dates at 40 CFR 40 CFR 63.6610, 63.6611, and 63.6612.
40 CFR 63.7(a) (3)	Yes.	CAA section 114 authority	
40 CFR 63.7(b) (1)	Yes	Notification of performance test	Except that 40 CFR 63.7(b) (1) only applies as specified in 40 CFR 63.6645.

General Provision Citation	General Provision Applicable?	Subject of Citation	Explanation (if required)
40 CFR 63.7(b) (2)	Yes	Notification of rescheduling	Except that 40 CFR 63.7(b) (2) only applies as specified in 40 CFR 63.6645.
40 CFR 63.7(c)	Yes	Quality assurance/test plan	Except that 40 CFR 63.7(c) only applies as specified in 40 CFR 63.6645.
40 CFR 63.7(d)	Yes	Testing facilities	
40 CFR 63.7(e) (1)	No	Conditions for conducting performance tests	Subpart ZZZZ specifies conditions for conducting performance tests at 40 CFR 63.6620.
40 CFR 63.7(e) (2)	Yes	Conduct of performance tests and reduction of data	Subpart ZZZZ specifies test methods at 40 CFR 63.6620.
40 CFR 63.7(e) (3)	Yes	Test run duration	
40 CFR 63.7(e) (4)	Yes	Administrator may require other testing under section 114 of the CAA	
40 CFR 63.7(f)	Yes	Alternative test method provisions	
40 CFR 63.7(g)	Yes	Performance test data analysis, recordkeeping, and reporting	
40 CFR 63.7(h)	Yes	Waiver of tests	
40 CFR 63.8(a) (1)	Yes	Applicability of monitoring requirements	Subpart ZZZZ contains specific requirements for monitoring at 40 CFR 63.6625.
40 CFR 63.8(a) (2)	Yes	Performance specifications	
40 CFR 63.8(a) (3)		[Reserved]	
40 CFR 63.8(a) (4)	No	Monitoring for control devices	
40 CFR 63.8(b) (1)	Yes	Monitoring	
40 CFR 63.8(b) (2) - (3)	Yes	Multiple effluents and multiple monitoring systems	
40 CFR 63.8(c) (1)	Yes	Monitoring system operation and maintenance	
40 CFR 63.8(c) (1) (i)	No	Routine and predictable SSM	
40 CFR 63.8(c) (1) (ii)	Yes	SSM not in Startup Shutdown Malfunction Plan	
40 CFR 63.8(c) (1) (iii)	No	Compliance with operation and maintenance requirements	
40 CFR 63.8(c) (2) - (3)	Yes	Monitoring system installation	
40 CFR 63.8(c) (4)	Yes	Continuous monitoring system (CMS) requirements	Except that subpart ZZZZ does not require Continuous Opacity Monitoring System (COMS).
40 CFR 63.8(c) (5)	No	COMS minimum procedures	Subpart ZZZZ does not require COMS.
40 CFR 63.8(c) (6) - (8)	Yes	CMS requirements	Except that subpart ZZZZ does not require COMS.
40 CFR 63.8(d)	Yes	CMS quality control	
40 CFR 63.8(e)	Yes	CMS performance evaluation	Except for 40 CFR 63.8(e) (5) (ii), which applies to COMS. Except that 40 CFR 63.8(e) only applies as specified in 40 CFR 63.6645.

Section 7 - Other Requirements  
 7.4 - 40 CFR 63 Subpart A  
 Requirements (NESHAP)

General Provision Citation	General Provision Applicable?	Subject of Citation	Explanation (if required)
40 CFR 63.8(f)(1)-(5)	Yes	Alternative monitoring method	Except that 40 CFR 63.8(f)(4) only applies as specified in 40 CFR 63.6645.
40 CFR 63.8(f)(6)	Yes	Alternative to relative accuracy test	Except that 40 CFR 63.8(f)(6) only applies as specified in 40 CFR 63.6645.
40 CFR 63.8(g)	Yes	Data reduction	Except that provisions for COMS are not applicable. Averaging periods for demonstrating compliance are specified at 40 CFR 40 CFR 63.6635 and 63.6640.
40 CFR 63.9(a)	Yes	Applicability and State delegation of notification requirements	
40 CFR 63.9(b)(1)-(5)	Yes	Initial notifications	Except that 40 CFR 63.9(b)(3) is reserved. Except that 40 CFR 63.9(b) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(c)	Yes	Request for compliance extension	Except that 40 CFR 63.9(c) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(d)	Yes	Notification of special compliance requirements for new sources	Except that 40 CFR 63.9(d) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(e)	Yes	Notification of performance test	Except that 40 CFR 63.9(e) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(f)	No	Notification of visible emission (VE)/opacity test	Subpart ZZZZ does not contain opacity or VE standards.
40 CFR 63.9(g)(1)	Yes	Notification of performance evaluation	Except that 40 CFR 63.9(g) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(g)(2)	No	Notification of use of COMS data	Subpart ZZZZ does not contain opacity or VE standards.
40 CFR 63.9(g)(3)	Yes	Notification that criterion for alternative to RATA is exceeded	If alternative is in use. Except that 40 CFR 63.9(g) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(h)(1)-(6)	Yes	Notification of compliance status	Except that notifications for sources using a CEMS are due 30 days after completion of performance evaluations. 40 CFR 63.9(h)(4) is reserved. Except that 40 CFR 63.9(h) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(i)	Yes	Adjustment of submittal deadlines	
40 CFR 63.9(j)	Yes	Change in previous information	
40 CFR 63.10(a)	Yes	Administrative provisions for recordkeeping/reporting	
40 CFR 63.10(b)(1)	Yes	Record retention	Except that the most recent 2 years of data do not have to be retained on site.

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Section 7 - Other Requirements  
 7.4 - 40 CFR 63 Subpart A  
 Requirements (NESHAP)

General Provision Citation	General Provision Applicable?	Subject of Citation	Explanation (if required)
40 CFR 63.10(b) (2) (i)-(v)	No	Records related to SSM	
40 CFR 63.10(b) (2) (vi)-(xi)	Yes	Records	
40 CFR 63.10(b) (2) (xii)	Yes	Record when under waiver	
40 CFR 63.10(b) (2) (xiii)	Yes	Records when using alternative to RATA	For CO standard if using RATA alternative.
40 CFR 63.10(b) (2) (xiv)	Yes	Records of supporting documentation	
40 CFR 63.10(b) (3)	Yes	Records of applicability determination	
40 CFR 63.10(c)	Yes	Additional records for sources using CEMS	Except that 40 CFR 63.10(c) (2)-(4) and (9) are reserved.
40 CFR 63.10(d) (1)	Yes	General reporting requirements	
40 CFR 63.10(d) (2)	Yes	Report of performance test results	
40 CFR 63.10(d) (3)	No	Reporting opacity or VE observations	Subpart ZZZZ does not contain opacity or VE standards.
40 CFR 63.10(d) (4)	Yes	Progress reports	
40 CFR 63.10(d) (5)	No	Startup, shutdown, and malfunction reports	
40 CFR 63.10(e) (1) and (2) (i)	Yes	Additional CMS Reports	
40 CFR 63.10(e) (2) (ii)	No	COMS-related report	Subpart ZZZZ does not require COMS.
40 CFR 63.10(e) (3)	Yes	Excess emission and parameter exceedances reports	Except that 40 CFR 63.10(e) (3) (i) (C) is reserved.
40 CFR 63.10(e) (4)	No	Reporting COMS data	Subpart ZZZZ does not require COMS.
40 CFR 63.10(f)	Yes	Waiver for recordkeeping/reporting	
40 CFR 63.11	No	Flares	
40 CFR 63.12	Yes	State authority and delegations	
40 CFR 63.13	Yes	Addresses	
40 CFR 63.14	Yes	Incorporation by reference	
40 CFR 63.15	Yes	Availability of information	

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b. 40 CFR 63 Subpart A and DDDDD - Boilers National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters

Pursuant to 40 CFR 63 Subpart A and DDDDD, the Permittee shall comply with the following applicable General Provisions as indicated:

<i>General Provision Citation</i>	<i>Subject of Citation</i>	<i>Applies to subpart DDDDD</i>
40 CFR 63.1	General Applicability of the General Provisions	Yes
40 CFR 63.2	Definitions	Yes. Additional terms defined in 40 CFR 63.7575
40 CFR 63.3	Units and Abbreviations	Yes
40 CFR 63.4	Prohibited Activities and Circumvention	Yes
40 CFR 63.5	Preconstruction Review and Notification Requirements	Yes
40 CFR 63.6(a), (b) (1)-(b) (5), (b) (7), (c)	Compliance with Standards and Maintenance Requirements	Yes
40 CFR 63.6(e) (1) (i)	General duty to minimize emissions.	No. See 40 CFR 63.7500(a) (3) for the general duty requirement.
40 CFR 63.6(e) (1) (ii)	Requirement to correct malfunctions as soon as practicable.	No
40 CFR 63.6(e) (3)	Startup, shutdown, and malfunction plan requirements.	No
40 CFR 63.6(f) (1)	Startup, shutdown, and malfunction exemptions for compliance with non-opacity emission standards.	No
40 CFR 63.6(f) (2) and (3)	Compliance with non-opacity emission standards.	Yes
40 CFR 63.6(g)	Use of alternative standards	Yes
40 CFR 63.6(h) (1)	Startup, shutdown, and malfunction exemptions to opacity standards.	No. See 40 CFR 63.7500(a).
40 CFR 63.6(h) (2) to (h) (9)	Determining compliance with opacity emission standards	Yes
40 CFR 63.6(i)	Extension of compliance	Yes. Note: Facilities may also request extensions of compliance for the installation of combined heat and power, waste heat recovery, or gas pipeline or fuel feeding infrastructure as a means of complying with this subpart.
40 CFR 63.6(j)	Presidential exemption.	Yes
40 CFR 63.7(a), (b), (c), and (d)	Performance Testing Requirements	Yes

<i>General Provision Citation</i>	<i>Subject of Citation</i>	<i>Applies to subpart DDDDD</i>
40 CFR 63.7(e)(1)	Conditions for conducting performance tests	No. Subpart DDDDD specifies conditions for conducting performance tests at 40 CFR 63.7520(a) to (c).
40 CFR 63.7(e)(2)-(e)(9), (f), (g), and (h)	Performance Testing Requirements	Yes
40 CFR 63.8(a) and (b)	Applicability and Conduct of Monitoring	Yes
40 CFR 63.8(c)(1)	Operation and maintenance of CMS	Yes
40 CFR 63.8(c)(1)(i)	General duty to minimize emissions and CMS operation	No. See 40 CFR 63.7500(a)(3).
40 CFR 63.8(c)(1)(ii)	Operation and maintenance of CMS	Yes
40 CFR 63.8(c)(1)(iii)	Startup, shutdown, and malfunction plans for CMS	No
40 CFR 63.8(c)(2) to (c)(9)	Operation and maintenance of CMS	Yes
40 CFR 63.8(d)(1) and (2)	Monitoring Requirements, Quality Control Program	Yes
40 CFR 63.8(d)(3)	Written procedures for CMS	Yes, except for the last sentence, which refers to a startup, shutdown, and malfunction plan. Startup, shutdown, and malfunction plans are not required.
40 CFR 63.8(e)	Performance evaluation of a CMS	Yes
40 CFR 63.8(f)	Use of an alternative monitoring method.	Yes
40 CFR 63.8(g)	Reduction of monitoring data	Yes
40 CFR 63.9	Notification Requirements	Yes
40 CFR 63.10(a), (b)(1)	Recordkeeping and Reporting Requirements	Yes
40 CFR 63.10(b)(2)(i)	Recordkeeping of occurrence and duration of startups or shutdowns	Yes
40 CFR 63.10(b)(2)(ii)	Recordkeeping of malfunctions	No. See 40 CFR 63.7555(d)(7) for recordkeeping of occurrence and duration and 40 CFR 63.7555(d)(8) for actions taken during malfunctions.
40 CFR 63.10(b)(2)(iii)	Maintenance records	Yes
40 CFR 63.10(b)(2)(iv) and (v)	Actions taken to minimize emissions during startup, shutdown, or malfunction	No
40 CFR 63.10(b)(2)(vi)	Recordkeeping for CMS malfunctions	Yes
40 CFR 63.10(b)(2)(vii) to (xiv)	Other CMS requirements	Yes

<i>General Provision Citation</i>	<i>Subject of Citation</i>	<i>Applies to subpart DDDDD</i>
40 CFR 63.10(b) (3)	Recordkeeping requirements for applicability determinations	No
40 CFR 63.10(c) (1) to (9)	Recordkeeping for sources with CMS	Yes
40 CFR 63.10(c) (10) and (11)	Recording nature and cause of malfunctions, and corrective actions	No. See 40 CFR 63.7555(d) (7) for recordkeeping of occurrence and duration and 40 CFR 63.7555(d) (8) for actions taken during malfunctions.
40 CFR 63.10(c) (12) and (13)	Recordkeeping for sources with CMS	Yes
40 CFR 63.10(c) (15)	Use of startup, shutdown, and malfunction plan	No
40 CFR 63.10(d) (1) and (2)	General reporting requirements	Yes
40 CFR 63.10(d) (3)	Reporting opacity or visible emission observation results	No
40 CFR 63.10(d) (4)	Progress reports under an extension of compliance	Yes
40 CFR 63.10(d) (5)	Startup, shutdown, and malfunction reports	No. See 40 CFR 63.7550(c) (11) for malfunction reporting requirements.
40 CFR 63.10(e)	Additional reporting requirements for sources with CMS	Yes
40 CFR 63.10(f)	Waiver of recordkeeping or reporting requirements	Yes
40 CFR 63.11	Control Device Requirements	No
40 CFR 63.12	State Authority and Delegation	Yes
40 CFR 63.13-63.16	Addresses, Incorporation by Reference, Availability of Information, Performance Track Provisions	Yes
40 CFR 63.1(a) (5), (a) (7)-(a) (9), (b) (2), (c) (3)-(4), (d), 63.6(b) (6), (c) (3), (c) (4), (d), (e) (2), (e) (3) (ii), (h) (3), (h) (5) (iv), 63.8(a) (3), 63.9(b) (3), (h) (4), 63.10(c) (2)-(4), (c) (9).	Reserved	No

c. 40 CFR 63 Subpart A and HHH - National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities

<i>General Provision Citation</i>	<i>Applicable to subpart HHH</i>	<i>Explanation</i>
40 CFR 63.1(a) (1)	Yes	
40 CFR 63.1(a) (2)	Yes	
40 CFR 63.1(a) (3)	Yes	
40 CFR 63.1(a) (4)	Yes	
40 CFR 63.1(a) (5)	No	Section reserved.
40 CFR 63.1(a) (6) through (a) (8)	Yes	
40 CFR 63.1(a) (9)	No	Section reserved.
40 CFR 63.1(a) (10)	Yes	
40 CFR 63.1(a) (11)	Yes	
40 CFR 63.1(a) (12)	Yes	
40 CFR 63.1(b) (1)	No	Subpart HHH specifies applicability.
40 CFR 63.1(b) (2)	Yes	
40 CFR 63.1(b) (3)	No	
40 CFR 63.1(c) (1)	No	Subpart HHH specifies applicability.
40 CFR 63.1(c) (2)	No	
40 CFR 63.1(c) (3)	No	Section reserved.
40 CFR 63.1(c) (4)	Yes	
40 CFR 63.1(c) (5)	Yes	
40 CFR 63.1(d)	No	Section reserved.
40 CFR 63.1(e)	Yes	
40 CFR 63.2	Yes	Except definition of major source is unique for this source category and there are additional definitions in subpart HHH.
40 CFR 63.3(a) through (c)	Yes	
40 CFR 63.4(a) (1)	Yes	
40 CFR 63.4(a) (2)	Yes	

<i>General Provision Citation</i>	<i>Applicable to subpart HHH</i>	<i>Explanation</i>
40 CFR 63.4 (a) (3)	No	Section reserved.
40 CFR 63.4 (a) (4)	No	Section reserved.
40 CFR 63.4 (a) (5)	No	Section reserved.
40 CFR 63.4 (b)	Yes	
40 CFR 63.4 (c)	Yes	
40 CFR 63.5 (a) (1)	Yes	
40 CFR 63.5 (a) (2)	No	Preconstruction review required only for major sources that commence construction after promulgation of the standard.
40 CFR 63.5 (b) (1)	Yes	
40 CFR 63.5 (b) (2)	No	Section reserved.
40 CFR 63.5 (b) (3)	Yes	
40 CFR 63.5 (b) (4)	Yes	
40 CFR 63.5 (b) (5)	No	Section reserved.
40 CFR 63.5 (b) (6)	Yes	
40 CFR 63.5 (c)	No	Section reserved.
40 CFR 63.5 (d) (1)	Yes	
40 CFR 63.5 (d) (2)	Yes	
40 CFR 63.5 (d) (3)	Yes	
40 CFR 63.5 (d) (4)	Yes	
40 CFR 63.5 (e)	Yes	
40 CFR 63.5 (f) (1)	Yes	
40 CFR 63.5 (f) (2)	Yes	
40 CFR 63.6 (a)	Yes	
40 CFR 63.6 (b) (1)	Yes	
40 CFR 63.6 (b) (2)	Yes	
40 CFR 63.6 (b) (3)	Yes	
40 CFR 63.6 (b) (4)	Yes	

<i>General Provision Citation</i>	<i>Applicable to subpart HHH</i>	<i>Explanation</i>
40 CFR 63.6(b) (5)	Yes	
40 CFR 63.6(b) (6)	No	Section reserved.
40 CFR 63.6(b) (7)	Yes	
40 CFR 63.6(c) (1)	Yes	
40 CFR 63.6(c) (2)	Yes	
40 CFR 63.6(c) (3) and (c) (4)	No	Section reserved.
40 CFR 63.6(c) (5)	Yes	
40 CFR 63.6(d)	No	Section reserved.
40 CFR 63.6(e)	Yes	
40 CFR 63.6(e)	Yes	Except as otherwise specified.
40 CFR 63.6(e) (1) (i)	No	See 63.1274(h) for general duty requirement.
40 CFR 63.6(e) (1) (ii)	No	
40 CFR 63.6(e) (1) (iii)	Yes	
40 CFR 63.6(e) (2)	No	Section reserved.
40 CFR 63.6(e) (3)	No	
40 CFR 63.6(f) (1)	No	
40 CFR 63.6(f) (2)	Yes	
40 CFR 63.6(f) (3)	Yes	
40 CFR 63.6(g)	Yes	
40 CFR 63.6(h) (1)	No	
40 CFR 63.6(h) (2)	Yes	
40 CFR 63.6(h) (3)	No	Section reserved.
40 CFR 63.6(h) (4) through (h) (9)	Yes	
40 CFR 63.6(i) (1) through (i) (14)	Yes	
40 CFR 63.6(i) (15)	No	Section reserved.
40 CFR 63.6(i) (16)	Yes	
40 CFR 63.6(j)	Yes	

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<i>General Provision Citation</i>	<i>Applicable to subpart HHH</i>	<i>Explanation</i>
40 CFR 63.7(a)(1)	Yes	
40 CFR 63.7(a)(2)	Yes	But the performance test results must be submitted within 180 days after the compliance date.
40 CFR 63.7(a)(3)	Yes	
40 CFR 63.7(a)(4)	Yes	
40 CFR 63.7(b)	Yes	
40 CFR 63.7(c)	Yes	
40 CFR 63.7(d)	Yes	
40 CFR 63.7(e)(1)	No	
40 CFR 63.7(e)(2)	Yes	
40 CFR 63.7(e)(3)	Yes	
40 CFR 63.7(e)(4)	Yes	
40 CFR 63.7(f)	Yes	
40 CFR 63.7(g)	Yes	
40 CFR 63.7(h)	Yes	
40 CFR 63.8(a)(1)	Yes	
40 CFR 63.8(a)(2)	Yes	
40 CFR 63.8(a)(3)	No	Section reserved.
40 CFR 63.8(a)(4)	Yes	
40 CFR 63.8(b)(1)	Yes	
40 CFR 63.8(b)(2)	Yes	
40 CFR 63.8(b)(3)	Yes	
40 CFR 63.8(c)(1)	Yes	
40 CFR 63.8(c)(1)(i)	No	
40 CFR 63.8(c)(1)(ii)	Yes	
40 CFR 63.8(c)(1)(iii)	No	
40 CFR 63.8(c)(2)	Yes	
40 CFR 63.8(c)(3)	Yes	

<i>General Provision Citation</i>	<i>Applicable to subpart HHH</i>	<i>Explanation</i>
40 CFR 63.8(c) (4)	No	
40 CFR 63.8(c) (5) through (c) (8)	Yes	
40 CFR 63.8(d) (1)	Yes	
40 CFR 63.8(d) (2)	Yes	
40 CFR 63.8(d) (3)	Yes	Except for last sentence, which refers to an SSM plan. SSM plans are not required.
40 CFR 63.8(e)	Yes	Subpart HHH does not specifically require continuous emissions monitor performance evaluations, however, the Administrator can request that one be conducted.
40 CFR 63.8(f) (1) through (f) (5)	Yes	
40 CFR 63.8(f) (6)	No	Subpart HHH does not require continuous emissions monitoring.
40 CFR 63.8(g)	No	Subpart HHH specifies continuous monitoring system data reduction requirements.
40 CFR 63.9(a)	Yes	
40 CFR 63.9(b) (1)	Yes	
40 CFR 63.9(b) (2)	Yes	Existing sources are given 1 year (rather than 120 days) to submit this notification.
40 CFR 63.9(b) (3)	No	Section reserved.
40 CFR 63.9(b) (4)	Yes	
40 CFR 63.9(b) (5)	Yes	
40 CFR 63.9(c)	Yes	
40 CFR 63.9(d)	Yes	
40 CFR 63.9(e)	Yes	
40 CFR 63.9(f)	Yes	
40 CFR 63.9(g)	Yes	
40 CFR 63.9(h) (1) through (h) (3)	Yes	
40 CFR 63.9(h) (4)	No	Section reserved.
40 CFR 63.9(h) (5) and (h) (6)	Yes	
40 CFR 63.9(i)	Yes	

<i>General Provision Citation</i>	<i>Applicable to subpart HHH</i>	<i>Explanation</i>
40 CFR 63.9(j)	Yes	
40 CFR 63.10(a)	Yes	
40 CFR 63.10(b) (1)	Yes	Section 63.1284(b) (1) requires sources to maintain the most recent 12 months of data on-site and allows offsite storage for the remaining 4 years of data.
40 CFR 63.10(b) (2)	Yes	
40 CFR 63.10(b) (2) (i)	No	
40 CFR 63.10(b) (2) (ii)	No	See 63.1284(f) for recordkeeping of (1) occurrence and duration and (2) actions taken during malfunction.
40 CFR 63.10(b) (2) (iii)	Yes	
40 CFR 63.10(b) (2) (iv) through (b) (2) (v)	No	
40 CFR 63.10(b) (2) (vi) through (b) (2) (xiv)	Yes	
40 CFR 63.10(b) (3)	No	
40 CFR 63.10(c) (1)	Yes	
40 CFR 63.10(c) (2) through (c) (4)	No	Sections reserved.
40 CFR 63.10(c) (5) through (c) (8)	Yes	
40 CFR 63.10(c) (9)	No	Section reserved.
40 CFR 63.10(c) (10) through (c) (11)	No	See 63.1284(f) for recordkeeping of malfunctions.
40 CFR 63.10(c) (12) through (c) (14)	Yes	
40 CFR 63.10(c) (15)	No	
40 CFR 63.10(d) (1)	Yes	
40 CFR 63.10(d) (2)	Yes	
40 CFR 63.10(d) (3)	Yes	
40 CFR 63.10(d) (4)	Yes	
40 CFR 63.10(d) (5)	No	See 63.1285(b) (6) for reporting of malfunctions.
40 CFR 63.10(e) (1)	Yes	
40 CFR 63.10(e) (2)	Yes	

<i>General Provision Citation</i>	<i>Applicable to subpart HHH</i>	<i>Explanation</i>
40 CFR 63.10(e)(3)(i)	Yes	Subpart HHH requires major sources to submit Periodic Reports semi-annually.
40 CFR 63.10(e)(3)(i)(A)	Yes	
40 CFR 63.10(e)(3)(i)(B)	Yes	
40 CFR 63.10(e)(3)(i)(C)	No	Section reserved.
40 CFR 63.10(e)(3)(i)(D)	Yes	
40 CFR 63.10(e)(3)(ii) through (e)(3)(viii)	Yes	
40 CFR 63.10(f)	Yes	
40 CFR 63.11(a) through (e)	Yes	
40 CFR 63.12(a) through (c)	Yes	
40 CFR 63.13(a) through (c)	Yes	
40 CFR 63.14(a) through (q)	Yes	
40 CFR 63.15(a) and (b)	Yes	

**5. Startup Requirements**

**a. Startup Provisions**

Pursuant to 35 IAC 201.149, 201.261, and 201.262, the source is authorized to operate in violation of the applicable requirements (as referenced in Section 4.1 and 4.2 of this CAAPP permit) during startup. The source has applied for such authorization in its application, generally describing the efforts that will be used "...to minimize startup emissions, duration of individual starts, and frequency of startups." As provided by 35 IAC 201.265, authorization in this CAAPP permit for excess emissions during startup does not shield the source from enforcement for any violation of applicable emission standard(s) that occurs during startup and only constitutes a prima facie defense to such an enforcement action provided that the source has fully complied with all terms and conditions connected with such authorization.

- i. This authorization does not relieve the source from the continuing obligation to demonstrate that all reasonable efforts are made to minimize startup emissions, duration of individual starts, and frequency of startups.
- ii. The source shall conduct startups in accordance with written startup procedures prepared by the source and maintained at the source, that are specifically developed to minimize startup emissions, duration of individual starts, and frequency of startups.
- iii. The Permittee shall conduct startup of an affected engine in accordance with the manufacturer's written instructions or other written instructions prepared by the Permittee and maintained on site.

**b. Monitoring - Recordkeeping**

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain the following recordkeeping requirements for startup procedures:

- i. A copy of the most recent startup procedures that contains at a minimum:
  - A. Estimate of excess opacity at startup.
  - B. Reasonable steps that will be used to minimize opacity and startup emissions, duration of individual starts, and frequency of startups.
- ii. Records for each individual startup that contains at a minimum:
  - A. Date, time, duration, and description of the startup.
  - B. Whether the most recent startup procedures were performed. If not performed, an explanation why the procedures were not performed.
  - C. An explanation of whether opacity during the startup exceeded the estimates in the startup procedures and whether opacity exceeded any applicable standard or limit not authorized to be violated during startup.

**c. Monitoring - Reporting**

Pursuant to Sections 39.5(7)(b) and (f) of the Act, the source shall submit the following reporting requirements:

**i. Prompt Reporting**

A Deviation Report shall be submitted to the IEPA, Compliance Section (addresses are included Attachment 3) within five (5) days if a startup exceeded the opacity

estimates in the startup procedures or opacity exceeded any applicable standard or limit not authorized to be violated during startup.

ii. Semiannual Reporting

As part of the required Semiannual Monitoring Reports, the source shall submit a startup report including the following at a minimum: a list of the startups including the date, duration, and description of each startup accompanied by any explanations whether the most recent startup procedures were or were not performed and whether normal operation was or was not achieved in the allowed duration.

**6. Compliance Assurance Monitoring (CAM) Requirements**

**a. CAM Provisions**

**i. Proper Maintenance**

Pursuant to 40 CFR 64.7(b), at all times, the source shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

**ii. Continued Operation**

Pursuant to 40 CFR 64.7(c), except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the source shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit (PSEU) is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of 40 CFR Part 64, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The source shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

**iii. Response to Excursions or Exceedances**

A. Pursuant to 40 CFR 64.7(d)(1), upon detecting an excursion or exceedance, the source shall restore operation of the PSEU (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

B. Pursuant to 40 CFR 64.7(d)(2), determination of whether the source has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device.

**b. Monitoring - Monitoring**

Pursuant to 40 CFR 64.7(a), the source shall comply with the monitoring requirements of the CAM Plans as described in 7.6(e) below, pursuant to 40 CFR Part 64 as submitted in the source's CAM plan application.

c. Monitoring - Recordkeeping

Pursuant to 40 CFR 64.9(b)(1), the source shall maintain records of the monitoring data, monitor performance data, corrective actions taken, monitoring equipment maintenance, and other supporting information related to the monitoring requirements established for CAM.

d. Monitoring - Reporting

Pursuant to Sections 39.5(7)(b) and (f) of the Act, the source shall submit the following reporting requirements:

i. Semiannual Reporting

As part of the required Semiannual Monitoring Reports, the source shall submit a CAM report including the following at a minimum:

- A. Summary information on the number, duration, and cause of excursions or exceedances, and the corrective actions taken pursuant to 40 CFR 64.6(c)(3) and 64.9(a)(2)(i).
- B. Summary information on the number, duration, and cause for monitoring equipment downtime incidents, other than downtime associated with calibration checks pursuant to 40 CFR 64.6(c)(3) and 64.9(a)(2)(ii).

e. CAM Plans

The following tables contain the CAM Plans in this CAAPP permit:

Table	Emission Unit Section	PSEU Designation	Pollutant
7.6.1	4.3	16-ENG	CO

Table 7.6.1 - CAM Plan

Emission Unit Section:	4.3
PSEU Designation:	16-ENG
Pollutant:	CO

Indicators:	#1) Indicator 1	#2) Indicator 2
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Monitor inlet temperature of the catalyst	None
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	Inlet temperature maintained between 450-1350F	None
Quality Improvement Plan (QIP) Threshold Levels:	Rolling 4 hour inlet temperature is outside operating range	None
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Rolling 4 hour inlet temperature is outside operating range	None
Verification Procedures to Confirm the Operational Status of the Monitoring:	Daily verification of system monitoring temperatures	None
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Performance testing conducted annually	None
The Monitoring Frequency:	Every 15 minutes	None
The Data Collection Procedures That Will Be Used:	Collect 4 readings every 15 minutes for 1 hour average, collect 4 hours for rolling period	None
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	4 hour rolling period	None

## Section 8 - State Only Requirements

## 1. Permitted Emissions for Fees

The annual emissions from the source for purposes of "Duties to Pay Fees" of Condition 2.3(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. The Permittee shall maintain records with supporting calculations of how the annual emissions for fee purposes were calculated. This Condition is set for the purpose of establishing fees and is not federally enforceable. See Section 39.5(18) of the Act.

<i>Pollutant</i>		<i>Tons/Year</i>
Volatile Organic Material	(VOM)	280.09
Sulfur Dioxide	(SO <sub>2</sub> )	7.66
Particulate Matter	(PM)	60.57
Nitrogen Oxides	(NO <sub>x</sub> )	5,620.85
HAP, not included in VOM or PM	(HAP)	-----
	Total	5,969.17

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## Attachment 1 - List of Emission Units at This Source

<i>Section</i>	<i>Emission Units</i>	<i>Description</i>
4.1	01-ENG, 02-ENG, 03-ENG, 04-ENG, 05-ENG, 06-ENG, 12-AUX, 01-AUX, 02-AUX, 03-AUX	Reciprocating Internal Combustion Engines Without Controls
4.2	07-ENG, 08-ENG, 09-ENG, 10-ENG, Recovery-1	Reciprocating Internal Combustion Engines With Controls (NSCR)
4.3	16-ENG	Reciprocating Internal Combustion Engines Subject to NSPS Subpart JJJJ
4.4	13-ENG, 14-ENG, 15-ENG	Turbines
4.5	01-BOL, 02-BOL, 04-BOL	Boilers
4.6	01-DHY	Glycol Dehydration Unit
4.7	M2, M4	20000 Gallon Methane Storage Tanks

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## Attachment 2 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment trading unit
BACT	Best Available Control Technology
BAT	Best Available Technology
Btu	British Thermal Units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
ERMS	Emissions Reduction Market System
°F	Degrees Fahrenheit
GHG	Green house gas
GACT	Generally Acceptable Control Technology
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
hp	Horsepower
hr	Hour
H <sub>2</sub> S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
kw	Kilowatts
LAER	Lowest Achievable Emission Rate
lbs	Pound

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m	Meter
MACT	Maximum Achievable Control Technology
M	Thousand
MM	Million
mos	Month
MSDS	Material Safety Data Sheet
MSSCAM	Major Stationary Sources Construction and Modification (Non-attainment New Source Review)
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PB	Lead
PEMS	Predictive Emissions Monitoring System
PM	Particulate matter
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
PM <sub>2.5</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential to emit
RACT	Reasonable Available Control Technology
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material

## Attachment 3 - Contact and Reporting Addresses

<p style="text-align: center;">IEPA Compliance Section</p> <p style="text-align: center;">IEPA Stack Test Specialist</p> <p style="text-align: center;">IEPA Air Quality Planning Section</p> <p style="text-align: center;">IEPA Air Regional Field Operations Regional Office #1</p> <p style="text-align: center;">IEPA Permit Section</p>	<p>Illinois EPA, Bureau of Air Compliance &amp; Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p> <p>Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p> <p>Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p> <p>Illinois EPA, Bureau of Air Regional Office #1 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p> <p>Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, Illinois 62794-9506</p> <p>Phone No.: 217/785-1705</p>
<p style="text-align: center;">USEPA Region 5 - Air Branch</p>	<p>USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604</p> <p>Phone No.: 312/353-2000</p>

Attachment 4 - Example Certification by a Responsible Official

SIGNATURE BLOCK	
NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED AS INCOMPLETE.	
I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE. ANY PERSON WHO KNOWINGLY MAKES A FALSE, FICTITIOUS, OR FRAUDULENT MATERIAL STATEMENT, ORALLY OR IN WRITING, TO THE ILLINOIS EPA COMMITS A CLASS 4 FELONY. A SECOND OR SUBSEQUENT OFFENSE AFTER CONVICTION IS A CLASS 3 FELONY. (415 ILCS 5/44(H))	
AUTHORIZED SIGNATURE:	
BY: _____	_____
AUTHORIZED SIGNATURE	TITLE OF SIGNATORY
_____	_____/_____/_____
TYPED OR PRINTED NAME OF SIGNATORY	DATE

Natural Gas Pipeline Company  
I.D. No.: 091811AAB  
Permit No.: 95120215

Date Received: 06/06/2011  
Date Issued: 10/02/2014