CAAPP PERMIT
July 19, 2012

Attention:

Nicor Gas
Attn: Somali Tomczak, Sr. Mgr. Environmental Health & Safety
1844 Ferry Road
Naperville, IL 60563-9600

State of Illinois

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Source:

Nicor Gas – Station #41
Pipeline Road, 2-1/2 Miles North and 3 Miles East of I-55/51
Hudson, IL 61748

I.D. No.: 113817AAA
Permit No.: 95120020

Permitting Authority:

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

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Type of Application:	Renewal
Purpose of Application:	Renew Existing CAAPP Permit for 5 Years
ID No.:	113817AAA
Permit No.:	95120020
Statement of Basis No.:	95120020-1203
Date Application Received:	July 17, 2006
Date Issued:	July 19, 2012
Expiration Date:	July 19, 2017
Renewal Submittal Date:	9 Months Prior to TBD
Source Name:	Nicor Gas
Address:	Pipeline Road, 2-1/2 Miles North and 3 Miles East of I-55/51
City:	Hudson
County:	McLean
ZIP Code:	61748

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 Bruce Beazly at 217/782-1705.

Edwin C. Bakowski, P.E.
Manager, Permit Section
Division of Air Pollution Control

ECB:MTR:BDB:jws

cc: IEPA, Permit Section
IEPA, FOS, Region 3

Table of Contents

Section		Page
1	**Source Information**	**3**
	1.1 Addresses	
	1.2 Contacts	
	1.3 Single Source	
2	**General Permit Requirements**	**4**
	2.1 Prohibitions	
	2.2 Emergency Provisions	
	2.3 General Provisions	
	2.4 Testing	
	2.5 Recordkeeping	
	2.6 Certification	
	2.7 Permit Shield	
	2.8 Title I Conditions	
	2.9 Reopening and Revising Permit	
	2.10 Emissions Trading Programs	
	2.11 Permit Renewal	
	2.12 Permanent Shutdown	
	2.13 Startup, Shutdown, and Malfunction	
3	**Source Requirements**	**12**
	3.1 Applicable Requirements	
	3.2 Applicable Plans and Programs	
	3.3 Title I Requirements	
	3.4 Synthetic Minor Limits	
	3.5 Reporting Requirements	
4	**Emission Unit Requirements**	**17**
	4.1 Natural Gas Fired Engines (Subject to 35 IAC 217 Subpart Q)	
	4.2 Natural Gas Fired Engines	
	4.3 Natural Gas Fired Pipeline Heaters	
	4.4 TEG Dehydration Units	
	4.5 Storage Tanks	
5	**Additional Title I Requirements**	**35**
	5.1 Construction Permits - (Equipment Not Yet Built)	
6	**Insignificant Activities Requirements**	**36**
	6.1 Insignificant Activities Subject to Specific Regulations	
	6.2 Insignificant Activities in 35 IAC 201.210(a)	
	6.3 Insignificant Activities in 35 IAC 201.210(b)	
	6.4 Applicable Requirements	
	6.5 Compliance Method	
	6.6 Notification Requirements for Insignificant Activities	
7	**Other Requirements**	**39**
	7.1 Testing	
	7.2 PM Process Weight Rate Requirements	
	7.3 40 CFR 63 Subpart A Requirements (NESHAP)	
	7.4 Malfunction Breakdown Requirements	
	7.5 Construction Permits	
8	**State Only Requirements**	**50**
	8.1 Permitted Emissions for Fees	
Attachment 1	**List of Emission Units at This Source**	**51**
Attachment 2	**Acronyms and Abbreviations**	**52**
Attachment 3	**Contact and Reporting Addresses**	**54**
Attachment 4	**Example Certification by a Responsible Official**	**55**

Section 1 – Source Information

1. Addresses

Source

Nicor Gas
Pipeline Road, 2-1/2 Miles North and 3 Miles East of I-55/51
Hudson, IL 61748

Owner

Nicor Gas
1844 Ferry Road
Naperville, IL 60563-9600

Operator

Nicor Gas
1844 Ferry Road
Naperville, IL 60563-9600

Permittee

The Owner and Operator of the source as identified in this table.

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	Lonnie W. Upshaw	Vice President
Delegated Authority	No other individuals have been authorized by the IEPA.	N/A

Other Contacts

	Name	*Phone No.*	*Email*
Source Contact	Somali Tomczak	630/388-2837	stomcza@aglresources.com
Technical Contact	Somali Tomczak	630/388-2837	stomcza@aglresources.com
Correspondence	Somali Tomczak	630/388-2837	stomcza@aglresources.com
Billing	Somali Tomczak	630/388-2837	stomcza@aglresources.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

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.

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. <u>Effect of Permit</u>

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. <u>Severability Clause</u>

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

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 May 31, 2012 (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. <u>Permit Actions</u>

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)

Upon request by the IEPA, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particular 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. Asbestos Fees. 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 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. 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_{10} Contingency Measure Plan

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM_{10} Contingency Measure Plan reflecting the PM_{10} 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_{10} 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 March 27, 2012, 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 SO2, PM10, NO2, 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

a. i. Hazardous Air Pollutant Requirements (HAP)

A. Pursuant to 39.5(7)(a) of the Act, individual HAP emissions from the source shall not exceed 1.45 tons/month and 8.38 tons/year. 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).

B. Pursuant to 39.5(7)(a) of the Act, total HAP emissions from the source shall not exceed 2.89 tons/month and 13.15 tons/year. 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).

ii. Compliance Method (HAP Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the individual and total HAP emissions from the source including supporting calculations (ton/month and ton/year).

b. i. Operational and Production Requirements

A. Pursuant to 39.5(7)(a) of the Act, in addition to the requirements in Sections 4.1 and 4.2 for engines, the total heat content of the fuel fired in the engines in Sections 4.1 and 4.2 combined shall not exceed 55,000 mmBtu/month and 315,500 mmBtu/year. 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).

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the hours of operation from the engines in Sections 4.1 and 4.2 (hours/month and hours/year).

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the total heat content of the fuel fired in the engines in Sections 4.1 and 4.2 including supporting calculations (mmBtu/month and mmBtu/year).

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), and 3.1(c).

II. Requirements in Condition 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 Reports 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.

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.

Monitoring Period	Report Due Date
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 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 Natural Gas Fired Engines (Subject to 35 IAC 217 Subpart Q)

1. Emission Units and Operations

Emission Units	*Pollutants Being Regulated*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
One (1) 4,000 hp Natural Gas Fired Engine (CC12) with NOx Control System	NO_x, SO2, HAP	1979	N/A	None	None
One (1) 4,000 hp Natural Gas Fired Engine (EC21) with NOx Control System	NO_x, SO_2, HAP	1970	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. In addition, the engines shall comply with the applicable requirements in Section 3.4(b).

a. i. <u>Opacity Requirements</u>

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.

ii. <u>Compliance Method (Opacity Requirements)</u>

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 engines 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 opacity observation performed. 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, the Permittee shall keep records for all Method 9 opacity measurements made in accordance with Condition 4.1.2(a)(ii)(A) above.

b. i. Sulfur Dioxide Requirements (SO_2)

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_2 Requirements)

A. The monitoring requirements sufficient to meet 39.5(7)(d)(ii) of the Act are addressed by the operational and production requirements in Condition 4.1.2(d) and the work practice requirement in Condition 4.1.2(e).

c. i. Nitrogen Oxide Requirements (NOx)

A. Pursuant to 35 IAC 217.386(a)(1), the engines are subject to 35 IAC 217 Subpart Q for Stationary Reciprocating Internal Combustion Engines.

I. Pursuant to 35 IAC 217.388(a)(1)(B), the engines are limited to discharge into the atmosphere of any gases that contain NOx of no more than 210 ppmv (corrected to 15 percent O2 on a dry basis).

II. Pursuant to 35 IAC 217.388(a)(4)(B), the owner or operator must inspect and perform periodic maintenance on the engines in accordance with a Maintenance Plan that documents the operator's maintenance procedures for the applicable air pollution control device, monitoring device, and for the engines.

III. Engines shall comply with the applicable NOx Compliance Requirements of 35 IAC 217.392. Pursuant to 35 IAC 217.392(a), on and after January 1, 2008, the owner or operator may not operate the affected engines unless the requirements of this Subpart Q are met.

ii. Compliance Method (NOx Requirements)

Monitoring Requirements

A. Pursuant to 35 IAC 217.394(d), except for those years in which a performance test is conducted pursuant to Condition 4.1.2(c)(ii)(B), the owner or operator of the engines must monitor NOx concentrations annually, once between January 1 and May 1 or within the first 876 hours of operation per calendar year, whichever is later. If annual operation is less than 876 hours per calendar year, the engines must be monitored at least once every five years. Monitoring must be performed as follows:

I. A portable NOx monitor utilizing method ASTM D6522-00, as incorporated by reference in 35 IAC 217.104.

II. NOx and O_2 concentrations measurements must be taken three times for a duration of at least 20 minutes. Monitoring must be done at highest achievable load. The concentrations from the three monitoring runs must be averaged to determine whether the affected unit is in compliance with the applicable emissions concentration or emissions averaging plan, as specified in 35 IAC 217.388.

Testing Requirements

B. Pursuant to 35 IAC 217.394(b)(1), the owner or operator of the engines must conduct performance tests pursuant to Condition 7.1 once every five years. Testing must be performed in the calendar year by May 1 or within 60 days after starting operation, whichever is later.

C. Pursuant to 35 IAC 217.394(b)(2), if the monitoring required in Condition 4.1.2(c)(ii)(A) shows that engines are not in compliance with the applicable emissions concentration, the owner or operator must report the deviation to the IEPA in writing within 30 days and conduct a performance test pursuant to Conditions 4.1.2(c)(ii)(D) and 7.1 within 90 days of the determination of noncompliance.

D. Pursuant to 35 IAC 217.394(c), the owner or operator must conduct a performance test using Method 7 or 7E of 40 CFR 60, appendix A, as incorporated by reference in 35 IAC 217.104. Each compliance test must consist of three separate runs, each lasting a minimum of 60 minutes. NOx emissions must be measured while the engines are operating at peak load.

Recordkeeping Requirements

E. Pursuant to 35 IAC 217.396(a)(1) through (a)(8), the owner or operator of the engines must maintain records that demonstrate compliance with the requirements of 35 IAC 217 Subpart Q, which include, but are not limited to:

I. Identification, type (e.g., lean-burn, gas-fired), and location of the engines.

II. Calendar date of the record.

III. The number of hours each engine is operated on a monthly basis and during each ozone season.

IV. Type and quantity of the fuel used on a daily basis.

V. The results of all monitoring performed on the engines and reported deviations.

VI. The results of all tests performed on the engines.

VII. The plan for performing inspection and maintenance of the engines, air pollution control equipment, and the applicable monitoring device pursuant to 35 IAC 217.388(a)(4).

VIII. A log of inspections and maintenance performed on the engines' air emissions, monitoring device, and air pollution control device. These records must include, at a minimum, date, load levels and any manual adjustments, along with the reason for the adjustment (e.g., air to fuel ratio, timing or other settings).

d. i. <u>Hazardous Air Pollutant Requirements (HAP)</u>

A. Future NESHAP Standards (40 CFR 63 Subpart ZZZZ)

Pursuant to 40 CFR 63.6595(a)(1), no later than October 19, 2013, the source must:

I. Meet the applicable general provisions of 40 CFR 63 Subpart A. See Condition 7.3(a).

II. Pursuant to 40 CFR 63.6595(a)(1), the engines 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.

e. 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 in the engines.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the type of fuel fired in the engines.

f. i. Work Practice Requirements

A. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall maintain and operate the engines in a manner consistent with safety and good air pollution control practice for minimizing emissions.

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform quarterly inspections of the engines and associated auxiliary equipment if in operation during that quarter.

Recordkeeping

B. 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 inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, 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 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 commenced construction before June 12, 2006 pursuant to 40 CFR 60.4230(a)(4).

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.

f. i. Engine CC12 is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for all pollutants, because the engines do not use an

add-on control device to achieve compliance with an emission limitation or standard.

ii. Engine EC21 is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the engines are subject to a NESHAP proposed after November 15, 1990, pursuant to 40 CFR 64.2(b)(1)(i).

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. <u>Prompt Reporting</u>

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), 4.1.2(d)(i), 4.1.2(e)(i), and 4.1.2(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 Reports 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. <u>NOx Reporting for 35 IAC 217 Subpart Q</u>

i. Pursuant to 35 IAC 217.396(c)(1)and (c)(1)(C),the owner or operator must notify the IEPA in writing 30 days and five days prior to testing, pursuant to 35 IAC 217.394(b) (Conditions 4.1.2(c)(ii)(D)). Notwithstanding Condition 7.1(c), not later than 30 days after the completion of the test, submit the results of the test to the IEPA.

4.2 Natural Gas Fired 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*
One (1) 1,350 Hp Natural Gas Fired Engine (IC11)	SO_2, HAP	1968	N/A	None	None
One 330 Hp Natural Gas Fired Engine (CG1)	SO_2, HAP	1972	N/A	None	None
One 330 Hp Natural Gas Fired Engine (CG2)	SO_2, HAP	1972	N/A	None	None

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. In addition, the engines shall comply with the applicable requirements in Section 3.4(b).

a. i. Opacity Requirements

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.

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 engines 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 opacity observation performed. 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, the Permittee shall keep records for all opacity measurements made in accordance with Condition4.2.2(a)(ii)(A) above.

b. i. Sulfur Dioxide Requirements (SO_2)

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_2 Requirements)

A. The monitoring requirements sufficient to meet 39.5(7)(d)(ii) of the Act are addressed by the operational and production requirements in Condition 4.2.2(d) and the work practice requirement in Condition 4.2.2(e).

c. i. Hazardous Air Pollutant Requirements (HAP)

A. Future NESHAP Standards (40 CFR 63 Subpart ZZZZ)

Pursuant to 40 CFR 63.6595(a)(1), no later than October 19, 2013, the source must:

I. Meet the applicable general provisions of 40 CFR 63 Subpart A. See Condition 7.3(a).

II. Pursuant to 40 CFR 63.6595(a)(1), the engines 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.

d. 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 in the engines.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

B. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the type of fuel fired in the engines.

e. i. Work Practice Requirements

A. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall maintain and operate the engines in a manner consistent with safety and good air pollution control practice for minimizing emissions.

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform quarterly inspections of the engines and associated auxiliary equipment if in operation during that quarter.

Recordkeeping

B. 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 inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, 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 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 commenced construction before June 12, 2006 pursuant to 40 CFR 60.4230(a)(4).

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 because the engines are not subject to 35 IAC 217.386(a).

f. i. Engines CG1 and CG2 are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for all pollutants, because the engines do not use an add-on control device to achieve compliance with an emission limitation or standard.

ii. Engines IC11 is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the engines are subject to a NESHAP proposed after November 15, 1990, pursuant to 40 CFR 64.2(b)(1)(i).

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. <u>Prompt Reporting</u>

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 Reports 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.

4.3 Natural Gas Fired Pipeline Heaters

1. Emission Units and Operations

Emission Units	*Pollutants Being Regulated*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
One (1) 10.0 mmBtu/hr Natural Gas Fired Pipeline Heater (PH1)	CO	1973	N/A	None	None
One (1) 10.0 mmBtu/hr Natural Gas Fired Pipeline Heater (PH2)	CO	1978	N/A	None	None
One (1) 3.0 mmBtu/hr Natural Gas Fired Pipeline Heater (PH3)	CO	2010	N/A	None	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. i. <u>Opacity Requirements</u>

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.

ii. <u>Compliance Method (Opacity Requirements)</u>

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity 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 affected boiler and/or maintenance and repair. 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, the Permittee shall keep records for all opacity measurements made in accordance with Condition 4.3.1(a)(ii)(A) above.

b. i. <u>Carbon Monoxide Requirements (CO)</u>

A. Pursuant to 35 IAC 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.

ii. Compliance Method (CO Requirements)

A. The periodic monitoring requirements sufficient to meet 39.5(7)(d)(ii) of the Act are addressed by the tune-up requirements in 4.3.2(c) and the work practice requirement in Condition 4.3.2(d).

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 in the pipeline heater.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the type of fuel fired in the pipeline heater.

d. i. Work Practice Requirements

A. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall maintain and operate the pipeline heater in a manner consistent with safety and good air pollution control practice for minimizing emissions.

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform quarterly inspections of the pipeline heater and associated auxiliary equipment if in operation during that quarter.

Recordkeeping

B. 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 inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, 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 pipeline heater is not subject to the New Source Performance Standards (NSPS) for Small Industrial Commercial Institutional Steam Generating Units, 40 CFR Part 60, Subpart Dc, because the pipeline heater was constructed or reconstructed before June 9, 1989 pursuant to 40 CFR 60.40c(a).

b. The pipeline heater is not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP) for Industrial, Commercial, and Institutional Boilers, 40 CFR Part 63 Subpart JJJJJJ, because the pipeline heater does not use coal, biomass, or oil pursuant to 40 CFR 63.11194(a)(1).

c. The pipeline heater is not subject to 35 IAC 212.206 because the pipeline heater does not use liquid fuel.

d. The pipeline heater is not subject to 35 IAC 214.161 because the pipeline heater does not use liquid fuel.

e. Pursuant to 35 IAC 215.303, the provisions of Sections 215.301 and 215.302 shall not apply to fuel combustion emission sources.

f. The pipeline heater is not subject to 35 IAC 217.141 because the actual heat input is less than 250 mmBtu/hr.

g. The pipeline heater is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the pipeline heater does 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.

a. <u>Prompt Reporting</u>

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 4.3.2(a)(i), 4.3.2(b)(i), 4.3.2(c)(i), and 4.3.2(d)(i).

B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

ii. A. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports 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 TEG Dehydration Units

1. Emission Units and Operations

Emission Units	*Pollutants Being Regulated*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
One (1) Triethylene Glycol (TEG) Dehydration Unit (VV1)	VOM	1972	N/A	Flare	None
One (1) Triethylene Glycol (TEG) Dehydration Unit (VV2)	VOM	1978	N/A		

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. <u>Opacity Requirements</u>

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.

ii. <u>Compliance Method (Opacity Requirements)</u>

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 TEG dehydration units 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 TEG dehydration unit, 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, the Permittee shall keep records for all opacity measurements made in accordance with Condition 4.4.2(a)(ii)(A) above.

b. i. <u>Volatile Organic Material Requirements (VOM)</u>

A. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.

ii. Compliance Method (VOM Requirements)

A. The periodic monitoring requirements sufficient to meet 39.5(7)(d)(ii) of the Act are addressed by the Title I requirements in 4.4.4(a), the work practice requirement in Condition 4.4.2(c), and the malfunction breakdown requirements of 4.3.4(b)(i)(A).

c. i. Work Practice Requirements

A. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall maintain and operate the TEG dehydration units in a manner consistent with safety and good air pollution control practice for minimizing emissions.

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform quarterly inspections of the TEG dehydration units, flare, and associated auxiliary equipment if in operation during that quarter.

Recordkeeping

B. 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 inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, 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 TEG dehydration units are not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP) for National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities, 40 CFR Part 63 Subpart HHH, because the source is not a major source of HAPs pursuant to 40 CFR 63.1270(a).

b. The TEG dehydration units are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the TEG dehydration units do not have potential pre-control device emissions of the applicable regulated air pollutant that equals or exceeds major source threshold levels.

4. Other 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. Title I Requirements (Construction Permit 01060013) [T1]

A. Pursuant to Construction Permit 01060013, emissions from TEG dehydration units shall not exceed the following limits. 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) [T1].

Pollutant	(Lb/Hr)	(Ton/Year)
CO	0.37	1.62
VOM	2.06	9.02

ii. Compliance Method (Construction Permit 01060013)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform calculations of emissions from the TEG dehydration units using GRI-GLYCalc™, version 3.0 or higher, and the procedures presented in the associated GRI-GLYCalc™ Technical Reference Manual at least once every month when the TEG dehydration units are in operation. Inputs to the model shall be representative of actual operating conditions of the TEG dehydration units 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).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each calculation of emissions performed. These records shall include, at a minimum: date the calculations were performed, the input parameters used, and the emissions from the TEG dehydration units with supporting documentation.

C. Maximum design capacity of the flare in mmBtu/hr heat input

b. Start-up, Shutdown, and Malfunction Breakdown Requirements

i. Authorization for State Requirements

A. Malfunction Breakdown Requirements

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to continue operation in violation of the applicable requirements of 35 IAC 215.301, Conditions 4.4.2(b)(i)(a), during malfunction or breakdown. 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 4.4.2(a)(i), 4.4.2(b)(i), and 4.4.2(c)(i).

II. Requirements in Condition 4.4.4(a)(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 Reports 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 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*
One 8,000 Gallon Gasoline Storage Tank (UST1)	VOM	1984	N/A	None	None
One 10,000 Gallon Methanol Storage Tank (M2)	VOM	07/2003	N/A	None	None
Twenty two 300 Gallon Methanol Tanks	VOM	various	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. <u>Volatile Organic Material Requirements (VOM)</u>

A. 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 or submerged fill.

B. Pursuant to 35 IAC 215.583(a)(1), no person shall cause or allow the transfer of gasoline from any delivery vessel into any stationary storage tank at a gasoline dispensing facility unless the tank is equipped with a submerged loading pipe.

ii. <u>Compliance Method (VOM Requirements)</u>

Recordkeeping

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the presence of the submerged loading pipes or submerged fill.

b. i. <u>Work Practice Requirements</u>

A. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall maintain and operate the tanks in a manner consistent with safety and good air pollution control practice for minimizing emissions.

ii. <u>Compliance Method (Work Practice Requirements)</u>

Monitoring

A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform annual inspections of the tanks and associated auxiliary equipment.

Recordkeeping

B. 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 inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections noting the presence of the submerged loading pipe (if applicable), 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 storage tanks are not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) , 40 CFR Part 60, Subpart Kb, because the capacity of each storage tank is less than 75 cubic meters (18,813 gallons) pursuant to 40 CFR 60.110b(a).

b. The storage tanks are not subject to 35 IAC 215.121, because each storage tank has a capacity less than 40,000 gallons.

c. The storage tanks are not subject to 35 IAC 215.122(a), because each storage tank has a capacity of less than 40,000 gallons.

d. The storage tanks are not subject to 35 IAC 215.583(a)(2), 215.583(c) and 215.583(d), because the storage tanks are not located in any of the following counties: Boone, Cook, DuPage, Kane, Lake, Madison, McHenry, Peoria, Rock Island, St. Clair, Tazewell, Will or Winnebago, pursuant to 215.583(b)(4).

e. The storage tanks are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the storage tanks are not subject to an emission limitation or standard for the applicable regulated air pollutant.

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. <u>Prompt Reporting</u>

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) and 4.5.2(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 Reports 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

1. Construction Permits - (Equipment Not Yet Built)

The Permittee shall comply with all applicable requirements of Condition 7.5 for all appropriate emission unit(s) identified in Condition 7.5 pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act. The Permittee shall certify compliance with the applicable requirements of Condition 7.5 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 requirements in accordance to Condition 2.9 when the equipment is constructed.

Section 6 – Insignificant Activities Requirements

1. Insignificant Activities Subject to Specific Regulations

Pursuant to 35 IAC 201.146, this condition is reserved for insignificant activities obligated to comply with Sections 9.1(d) and Section 39.5 of the Act; Sections 165, 173, and 502 of the Clean Air Act; or any other applicable permit or registration requirements. As of the date of issuance of this permit, there are no such insignificant activities present at the source.

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:

Insignificant Activity	*Number of Units*	*Insignificant Activity Category*
Facility Roads	N/A	35 IAC 201.210(a)(1) and 201.211
Ambitrol Tanks	3	35 IAC 201.210(a)(1) and 201.211
Odorant Tanks	1	35 IAC 201.210(a)(1) and 201.211
150 gallon diesel tank	1	35 IAC 201.210(a)(1) and 201.211
Corrosion Inhibitor Tanks	1	35 IAC 201.210(a)(1) and 201.211
Grit Blast Booths	1	35 IAC 201.210(a)(1) and 201.211
Direct combustion units used for comfort heating and fuel combustion emission units as further detailed in 35 IAC 201.210(a)(4).	3	35 IAC 201.210(a)(4)
Storage tanks < 10,000 gallon with annual throughput < 100,000 gallon (not storing gasoline or any material listed as a HAP).	1	35 IAC 201.210(a)(10)
Storage tanks of virgin or rerefined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil.	2	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.

b. Potential to emit emission calculations before any air pollution control device for each insignificant activity.

6. Notification Requirements for Insignificant Activities

The source shall notify the IEPA accordingly to the addition of insignificant activities:

a. <u>Notification 7 Days in Advance</u>

i. Pursuant to 35 IAC 201.212(b), 35 IAC 201.146(kkk), and Sections 39.5(12)(a) and (b) of the Act; 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. A construction permit is not 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), 35 IAC 201.146(kkk), and Sections 39.5(12)(a) and (b) of the Act; 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. A construction permit is not 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 change made in Condition 6.6(a) 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. A construction permit is not required.

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. A construction permit 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 39.7(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 39.7(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)]:

P (T/hr)	E (lbs/hr)	P (T/hr)	E (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)]:

P (T/hr)	E (lbs/hr)	P (T/hr)	E (lbs/hr)
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 63 Subpart A Requirements (NESHAP)

a. 40 CFR 63 Subpart A and 40 CFR 63 Subpart A and ZZZZ – 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	Preconstruction Review and Notification Requirements	
40 CFR 63.6	Yes	Compliance with Standards and Maintenance Requirements	Except 40 CFR 63.6(e); (f)(1); (h)
40 CFR 63.7	Yes	Performance Testing Requirements	Except 40 CFR 63.7(e)(1);
40 CFR 63.8	Yes	Monitoring Requirements	Except 40 CFR 63.8(a)(4); (c)(5); (c)(4); (c)(4)(ii); (c)(6); (f)(6); (g)(5)
40 CFR 63.9	Yes	Notification Requirements	Except 40 CFR 63.9(f); (g)(2)
40 CFR 63.10	Yes	Recordkeeping and Reporting Requirements	Except 40 CFR 63.10(b)(2)(i)-(v); (d)(3); (d)(5); (e)(2)(ii); (e)(4)
40 CFR 63.11	No	Control Device and Work Practice Requirements	
40 CFR 63.12	Yes	State Authority and Delegations	
40 CFR 63.13	Yes	Addresses of State Air Pollution Control Agencies and EPA Regional Offices	
40 CFR 63.14	Yes	Incorporations by Reference	
40 CFR 63.15	Yes	Availability of Information and Confidentiality	
40 CFR 63.16	No	Performance Track Provisions	

4. Malfunction Breakdown Requirements

a. Malfunction Breakdown Provisions

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to continue operation in violation of the applicable requirements (as referenced in Section 4 of the CAAPP permit) during malfunction or breakdown. The source has applied for such authorization in its application, generally describing "such continued operation is necessary to prevent injury to persons or severe damage to equipment; or that such continued operation is required to provide essential services; provided, however, that continued operation solely for the economic benefit of the source shall not be sufficient for granting of permission." As provided by 35 IAC 201.265, authorization in this CAAPP permit for continued operation during malfunction or breakdown does not shield the source from enforcement for any violation of applicable emission standard(s) that occurs during malfunction or breakdown 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. Upon continued operation in violation of the applicable requirements during malfunction or breakdown, the source shall as soon as practical, remove from service and repair the emission unit(s) or undertake other measures as described in the application so that any violation of the applicable requirements cease.

ii. For continued operation in violation of the applicable requirements during malfunction or breakdown, the time shall be measured from the start of a particular incident and ends when violation of the applicable requirements ceases. The absence of a violation of the applicable requirements for a short period shall not be considered to end the incident if a violation of the applicable requirements resume. In such circumstances, the incident shall be considered to continue until corrective measures are taken so that a violation of the applicable requirements cease or the source takes the emission unit(s) out of service.

iii. Following notification to the IEPA of continued operation in violation of the applicable requirements during malfunction or breakdown, the source shall comply with all reasonable directives of the IEPA with respect to such incident, pursuant to 35 IAC 201.263.

b. Monitoring - Recordkeeping

Pursuant to Section 39.5(7)(b) of the Act and 35 IAC 201.263, the source shall maintain records of continued operation in violation of the applicable requirements during malfunction or breakdown shall include at a minimum:

i. A malfunction breakdown plan that includes the following at a minimum:

A. Estimates of typical emissions during malfunction or breakdown.

B. Reasonable steps that will be taken to minimize emissions, duration, and frequency of malfunction or breakdown.

ii. Date and duration of the malfunction or breakdown.

iii. A detailed explanation of the malfunction or breakdown.

iv. An explanation why the emission unit(s) continued operation.

v. The measures used to reduce the quantity of emissions and the duration of the event.

vi. The steps taken to prevent similar malfunctions or breakdowns and reduce their frequency and severity.

vii. An explanation of whether emissions during malfunction or breakdown were above typical emissions in the malfunction or breakdown procedures and whether emissions exceeded any applicable requirements.

c. Monitoring - Reporting

Pursuant to Sections 39.5(7)(b) and (f) of the Act and 35 IAC 201.263, the source shall provide the following notification and reports to the IEPA, Compliance Section and Regional Field Office (addresses are included in Attachment 3) concerning continued operation in violation of the applicable requirements during malfunction or breakdown:

i. Prompt Reporting

When the granted duration is exceeded (as referenced in Section 4 of the CAAPP permit) or continued operation in violation of the applicable requirements during malfunction or breakdown:

A. The source shall notify the IEPA's regional office by telephone as soon as possible during normal working hours, but no later than three (3) days, upon the occurrence of noncompliance due to malfunction or breakdown.

B. Upon achievement of compliance, the source shall give a written follow-up notice within 15 days to the IEPA, Air Compliance Section and Regional Field Office, providing a detailed explanation of the event, an explanation why continued operation was necessary, the length of time during which operation continued under such conditions, the measures taken by the source to minimize and correct deficiencies with chronology, and when the repairs were completed or when the unit(s) was taken out of service.

C. If compliance is not achieved within 5 working days of the occurrence, the source shall submit interim status reports to the IEPA, Air Compliance Section and Regional Field Office, within 5 days of the occurrence and every 14 days thereafter, until compliance is achieved. These interim reports shall provide a brief explanation of the nature of the malfunction or breakdown, corrective actions accomplished to date, actions anticipated to occur with schedule, and the expected date on which repairs will be complete or the emission unit(s) will be taken out of service.

ii. Semiannual Reporting

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

A. A listing of all malfunctions and breakdowns, in chronological order, that includes: the date, time, and duration of each incident; and identity of the affected operation(s) involved in the incident.

B. Dates of the notices and reports required by Prompt Reporting requirements of 3(A) above.

C. The aggregate duration of all incidents during the reporting period.

D. If there have been no such incidents during the reporting period, this shall be stated in the report.

5. Construction Permits

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. Construction Permit #11120006 (Equipment Not Yet Constructed) [T1]

Permit is hereby granted to the above-designated Permittee to CONSTRUCT oxidation catalytic converter systems on two existing engines (Engines EC-21 and IC-11), as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. Introduction

   a. This permit authorizes installation of oxidation catalytic converter systems (the affected systems) on two existing engines (the affected engines) to reduce emissions of carbon monoxide (CO) and hazardous air pollutants (HAPs) from the affected engines. The affected systems would be installed to comply with the applicable requirement of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63 Subpart ZZZZ (the Engine NESHAP), and the general provisions established in 40 CFR 63, Subpart A.

   b. This permit does not authorize any increase to the capacity or the potential emissions from the affected engines.

2. Applicable Requirements

   a. This permit does not relax or revise any requirements and conditions that currently apply to the affected engines, including applicable emission standards and limits and applicable monitoring, testing, recordkeeping, and reporting requirements in the current Clean Air Act Permit Program (CAAPP) permit for the source, Permit No. 95120020.

   b. For the affected engines, the Permittee shall comply with the applicable emission standards, operating, testing, monitoring, recordkeeping, and reporting and notification requirements of the Engine NESHAP that are set forth in this permit; except during periods of startup, as provided by 40 CFR 63.6625(b) and 40 CFR 63.6675.

      i. Pursuant to 40 CFR 63.6603(a), for the affected engines, the Permittee shall:

         A. Reduce carbon monoxide (CO) emissions by at least 93 percent, as specified in Table 2d, Item 8(b) of the Engine NESHAP; or

         B. Limit the concentration of CO in the exhaust to 47 ppmvd at 15 percent oxygen (O_2), as specified in Table 2d, Item 8(a) of the Engine NESHAP.

3. Non-applicability Provisions

   a. This permit is issued based on this project, i.e., the installation of the affected systems on the affected engines, being an emissions control project.

   b. This permit is issued based on the affected engines not being subject to requirements of the Engine NESHAP for major source of hazardous air pollutants (HAPs) because the source will be an “area source,” as defined by 40 CFR 63.6585(c). This is because potential emissions of any single HAP from the source are less than 10 tons/year and total combined HAP emissions are less than 25 tons/year. (Refer to Condition 5.1.2 and 5.5.2 of CAAPP Permit No. 95120020, which HAP emissions from the source are below major thresholds.)

c. The Illinois EPA has determined that this project, as described in the application, will not constitute a modification of the affected engines under the federal New Source Performance Standards, 40 CFR 60, because the affected systems have the primary function of reducing emissions and therefore, are not considered a modification pursuant to 40 CFR 60.14(e)(5).

4. Operating Limits and Requirements

a. Pursuant to the Engine NESHAP:

i. Pursuant to 40 CFR 63.6603(a) and Table 2b of the Engine NESHAP, the Permittee shall operate each affected engine and affected system as follows:

A. The pressure drop across the system shall not vary by more than 2 inches of water at 100 percent load and shall be maintained within 10 percent from the pressure drop across the system measured during the initial performance test; and

B. Operate the engine such that the inlet temperature to the oxidation system is maintained between 450 and 1350°F.

ii. For each affected engine, the Permittee shall comply with the applicable requirement of 40 CFR 63.6625(h) related to startup of engines, including minimizing duration of startups and the time spent at idle.

iii. As the affected engines are subject to the Engine NESHAP:

A. At all times, the Permittee shall maintain and operate the affected engines and the associated control systems, in a manner consistent with good air pollution control practice for minimizing emissions.

B. The Permittee must develop and implement a written startup, shutdown and malfunction (SSM) plan for the affected engines including associated control systems in accordance with 40 CFR 63.6(e)(3).

iv. Pursuant to 40 CFR 63.6605(b) and 40 CFR 63.6(e)(1), prior to the effective compliance date for the affected engines under the Engine NESHAP, the Permittee may operate the affected engines without the affected catalyst systems, as may be necessary to facilitate shakedown and commissioning. During such period, the Permittee shall still operate the affected engines in accordance with good air pollution control practice.

5. Testing Requirements

a. i. For each affected engine, within 180 days after the initial compliance date specified in 40 CFR 63.6595, the Permittee shall have applicable performance tests conducted, as required by 40 CFR 63.6612(a), in accordance with the applicable requirements of Table 4 and 5 of the Engine NESHAP, including measurements of the CO and O_2 concentration at the inlet and outlet of the oxidation catalyst system.

ii. Notwithstanding 5(a)(i), as provided by 40 CFR 63.6612(b), the Permittee is not required to conduct an initial performance test for an affected engine for which a performance test has been previously conducted, if the following criteria are satisfied:

A. The test must have been conducted using the same methods specified in the Engine NESHAP and these methods must have been followed correctly.

B. The test must not be older than 2 years.

C. The test must be reviewed and accepted by Illinois EPA or the USEPA.

D. Either no process or equipment changes must have been made since the test was performed, or the Permittee must be able to demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process or equipment changes.

b. Pursuant to the 40 CFR 63.6615, following the initial performance tests for the affected engines, the Permittee shall perform each subsequent performance tests on the following time schedules in accordance with Table 3 of the Engine NESHAP.

i. For affected engines that are not “limited use” engines, the subsequent test shall be performed every 8760 hours of operation or 3 years, whichever occurs first.

ii. For affected engines that are “limited use” engines, the subsequent test shall be performed every 8760 hours of operation or 5 years, whichever occurs first.

Note: Pursuant to 40 CFR 63.6675, “limited use” means a stationary reciprocating internal combustion engine that operates less than 100 hours per year.

c. Within 60 days of a written request from the Illinois EPA, or the date agreed upon by the Illinois EPA, whichever is later, the Permittee shall have emission tests for CO, NO_x and VOM for affected engine(s) conducted, as specified in the request, by a qualified independent testing service.

6. Operational Monitoring Requirements

a. Pursuant to 40 CFR 63.6625(b) and the Engine NESHAP, Table 6, Item 10, the Permittee shall install, operate and maintain a continuous parameter monitoring system (CPMS) for each affected system for catalyst inlet temperature, including recording data on a 4-hour rolling average basis.

b. Pursuant to the Engine NESHAP, Table 6, Item 10, the Permittee shall measure and record the pressure drop across each affected system as least once per month.

7. Recordkeeping Requirements

a. The Permittee shall maintain all applicable records required by the Engine NESHAP for each affected engine and system, including the records required by 40 CFR 63.8(e) and 40 CFR 63.6655.

b. The Permittee shall maintain the following records for each affected engine and system:

i. A file containing:

A. The manufacturer and model of each affected system.

B. Data for the maximum hourly emission rates for individual HAP and total HAPs from the engine (lbs/hour), with supporting documentation and calculations.

C. A copy of the operation and maintenance procedures for the affected system recommended by the manufacturer.

ii. A log or other records for inspection, maintenance and repair activities, with dates and description of such activities.

iii. If an affected engine is designated a “limited use” engine by the Permittee, records for the actual operating hours of the engine in each calendar year.

c. The Permittee shall maintain records for the actual HAP emissions of the affected engines and the source (tons/month and tons/year), with supporting data and calculations.

8. Retention of Records

a. Unless a longer retention period is specified by the NESHAP for particular records, records and logs required by this permit shall be retained at a readily accessible location at either the source or the Permittee’s main office in Illinois for at least five years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.

9. Notification and Reporting Requirements

a. For the affected engines, the Permittee shall comply with the applicable notification and reporting requirements of the Engine NESHAP, including the requirements under 40 CFR 63.6645 and 63.6650.

b. If there is a deviation of the requirements of this permit, not otherwise addressed pursuant to the reporting requirements of the Engine NESHAP, the Permittee shall submit a report to the Illinois EPA within 30 days after deviation. The report shall include a description of the deviation, the probable cause of the deviation, the corrective actions taken and any actions taken to prevent future occurrences.

10. Addresses for Notification and Reporting

a. Two copies of all reports, notifications, and correspondence required by this permit shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

Tel: 217-782-5811 Fax: 217-782-6348

<u>and</u> one copy shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
2009 Mall Street
Collinsville, Illinois 62234

Tel: 618-346-5120 Fax: 618-346-5155

11. Authorization for Operation

The Permittee may operate the affected engines with the affected systems pursuant to this construction permit until the CAAPP permit for the source is renewed or revised to address these systems. This condition supersedes Standard Condition 6.

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.

Pollutant		*Tons/Year*
Volatile Organic Material	(VOM)	33.75
Sulfur Dioxide	(SO_2)	0.20
Particulate Matter	(PM)	2.35
Nitrogen Oxides	(NO_x)	260.50
HAP, not included in VOM or PM	(HAP)	-
Total		296.80

Attachment 1 – List of Emission Units at This Source

Section	*Emission Units*	*Description*
4.1	Natural Gas Fired Engine	One (1) 4,000 hp Natural Gas Fired Engine (CC12) with NOx Control System
4.1	Natural Gas Fired Engine	One (1) 4,000 hp Natural Gas Fired Engine (EC21) with NOx Control System
4.1	Natural Gas Fired Engine	One (1) 1,350 Hp Natural Gas Fired Engine (IC11)
4.1	Natural Gas Fired Engine	One 330 Hp Natural Gas Fired Engine (CG1)
4.1	Natural Gas Fired Engine	One 330 Hp Natural Gas Fired Engine (CG2)
4.2	Natural Gas Fired Pipeline Heater	One (1) 10.0 mmBtu/hr Natural Gas Fired Pipeline Heater (PH1)
4.2	Natural Gas Fired Pipeline Heater	One (1) 10.0 mmBtu/hr Natural Gas Fired Pipeline Heater (PH2)
4.2	Natural Gas Fired Pipeline Heater	One (1) 3.0 mmBtu/hr Natural Gas Fired Pipeline Heater (PH3)
4.4	TEG Dehydration Units	One (1) Triethylene Glycol (TEG) Dehydration Unit (VV1)
4.4	TEG Dehydration Units	One (1) Triethylene Glycol (TEG) Dehydration Unit (VV2)
4.5	Storage Tank	One 8,000 Gallon Gasoline Storage Tank (UST1)
4.5	Storage Tank	One 10,000 Gallon Methanol Storage Tank (M2)
4.5	Storage Tank	22 300 Gallon Methanol Tanks

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_2	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
EAF	Electric arc furnace
ERMS	Emissions Reduction Market System
^{o}F	Degrees Fahrenheit
GHG	Green house gas
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
HP	Horsepower
hr	Hour
H_2S	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
lb	Pound

m	Meter
MACT	Maximum Achievable Control Technology
mm	Million
mon	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_x	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PM	Particulate matter
PM_{10}	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
$PM_{2.5}$	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
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_2	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

IEPA Compliance Section	Illinois EPA, Bureau of Air Compliance & Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, IL 62794-9276 Phone No.: 217/782-2113
IEPA Stack Test Specialist	Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, IL 60016 Phone No.: 847/294-4000
IEPA Air Quality Planning Section	Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, IL 62794-9276 Phone No.: 217/782-2113
IEPA Air Regional Field Operations Regional Office #3	Illinois EPA, Bureau of Air Regional Office #3 2009 Mall Street Collinsville, IL 62234 Phone No.: 618/346-5120
IEPA Permit Section	Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, IL 62794-9506 Phone No.: 217/782-2113
USEPA Region 5 - Air Branch	USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, IL 60604 Phone No.: 312/353-2000

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