DRAFT/PROPOSED CAAPP PERMIT
November 25, 2013

Attention:

Highland Light and Power
Attn: Dan Cook
501 Ninth Street
Highland, Illinois 62249

State of Illinois

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Source:

Highland Light and Power
501 Ninth Street
Highland, Illinois 62249

I.D. No.: 119055AAD
Permit No.: 95080103

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.:	119055AAD
Permit No.:	95080103
Statement of Basis No.:	95080103-1312
Date Application Received:	November 17, 2006
Date Issued:	TBD
Expiration Date:	TBD
Renewal Submittal Date:	9 Months Prior to TBD
Source Name:	Highland Light and Power
Address:	501 Ninth Street
City:	Highland
County:	Madison
ZIP Code:	62249

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 Wei Han at 217/785-1705.

Bob Bernoteit
Acting Manager, Permit Section
Division of Air Pollution Control

RWB:MTR:WH:psj

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**	**19**
4.1	Distillate Fuel and Dual Fuel Fired Engines	
4.2	Emergency Engines	
5	**Additional Title I Requirements**	**37**
6	**Insignificant Activities Requirements**	**38**
6.1	Insignificant Activities Subject to 40 CFR 63 Subpart ZZZZ ZZZZ	
6.2	Insignificant Activities Subject to 40 CFR 60 Subpart IIII IIII	
6.3	Insignificant Activities in 35 IAC 201.210(a)	
6.4	Insignificant Activities in 35 IAC 201.210(b)	
6.5	Applicable Requirements	
6.6	Compliance Method	
6.7	Notification Requirements for Insignificant Activities	
7	**Other Requirements**	**46**
7.1	Testing	
7.2	40 CFR 63 Subpart A Requirements (NESHAP)	
7.3	40 CFR 60 Subpart A Requirements (NSPS)	
7.4	Startup Requirements	
7.5	Malfunction Breakdown Requirements	
8	**State Only Requirements**	**55**
8.1	Permitted Emissions for Fees	
Attachment 1	**List of Emission Units at This Source**	**56**
Attachment 2	**Acronyms and Abbreviations**	**57**
Attachment 3	**Contact and Reporting Addresses**	**59**
Attachment 4	**Example Certification by a Responsible Official**	**60**

Section 1 – Source Information

1. Addresses

Source

Highland Light and Power
501 Ninth Street
Highland, Illinois 66249

Owner

City of Highland
1115 Broadway
Highland, Illinois 66249

Operator

City of Highland
2610 Plaza Drive
Highland, Illinois 66249

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	Joseph R. Michaelis	Mayor
Delegated Authority	No other individuals have been authorized by the IEPA.	N/A

Other Contacts

	Name	*Phone No.*	*Email*
Source Contact	Dan Cook	618-654-7511	dcook@highlandil.gov
Technical Contact	Verbal Blakey	636-296-8600	vblakey@bhmg.com
Correspondence	Dan Cook	618-654-7511	dcook@highlandil.gov
Billing	Dan Cook	618-654-7511	dcook@highlandil.gov

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. Effect of Permit

i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:

A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.

B. The liability of the Owner or Operator of the source for any violation of applicable requirements prior to or at the time of permit issuance.

C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.

D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.

ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

h. Severability Clause

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

4. Testing

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

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 of performance and 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 _____ To Be Determined_____ (date USEPA notice started), unless this permit has been modified to reflect such new requirements.

b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way

affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

8. Title I Conditions

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

a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an "applicable Clean Air Act requirement" or an "applicable requirement" in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.

b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIR".

   i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.

   ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIN".

   i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.

   ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

9. Reopening and Revising Permit

a. Permit Actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source for a permit modification, revocation and reissuance, or

termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7)(o)(iii) of the Act]

b. Reopening and Revision

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

i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;

ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;

iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or

iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

c. Inaccurate Application

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

d. Duty to Provide Information

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

10. Emissions Trading Programs

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

11. Permit Renewal

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

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

12. Permanent Shutdown

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item

of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

13. Startup, Shutdown, and Malfunction

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

Section 3 – Source Requirements

1. Applicable Requirements

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

a. Fugitive Particulate Matter

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

ii. Compliance Method (Fugitive Particulate Matter)

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 within seven days of receipt of a written request from the IEPA, 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 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

v. 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.

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 that is subject to the applicable requirements of Subpart M, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).

iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation that is subject to Subpart M, the Permittee shall comply with the applicable procedures for asbestos emission control established by 40 CFR 61.145(c).

d. 35 IAC 217 Subpart Q Requirements

The following 35 IAC 217 Subpart Q requirements are applicable to the engines listed in the table of Condition 4.1.1(IC-1, IC-2, IC-3, IC-7, IC-8, IC-9, and IC-10) and the emergency engines listed in the table of Condition 4.2.1 that are not categorized as insignificant activities(IC-5, IC-6):

i. Nitrogen Oxide Requirements (NO_x)

Pursuant to 35 IAC 217.388(a), the Permittee shall operate the engines listed in the tables of Conditions 4.1.1 and 4.2.1 (IC-1, IC-2, IC-3, IC-5, IC-6, IC-7, IC-8, IC-9, and IC-10) as low usage units as specified in 35 IAC 217.388(a)(3). The aggregated NO_x emission from all engines shall not exceed 100 tons per year.

ii. Compliance Method (NO_x Requirements)

Work Practice

A. Pursuant to 35 IAC 217.388(a)(4)(A), the Permittee shall inspect and perform periodic maintenance on the engines listed in the tables of Conditions 4.1.1 and 4.2.1 (IC-1, IC-2, IC-3, IC-5, IC-6, IC-7, IC-8, IC-9, and IC-10), in accordance with a Maintenance Plan in Condition 3.2(e) that documents:

I. The manufacturer's recommended inspection and maintenance of the applicable air pollution control equipment, monitoring device, and the engines; or

II. If the original equipment manual is not available or substantial modifications have been made that require an alternative procedure for the applicable air pollution control device, monitoring device, or the engines, the Permittee shall establish a plan for inspection and maintenance in accordance with what is customary for the type of air pollution control equipment, monitoring device, and the engines.

Testing

B. Pursuant to 35 IAC 217.394(f), when in the opinion of IEPA or USEPA, it is necessary to conduct testing to demonstrate compliance with 35 IAC 217.388, the Permittee shall, at its own expense, conduct the test in accordance with the applicable test methods and procedures specified in this 35 IAC Part 217 within 90 days after receipt of a notice to test from IEPA or USEPA. This testing shall comply with the applicable requirements of Condition 7.1.

Recordkeeping

C. Pursuant to 35 IAC 217.396(d), the Permittee shall maintain a record of the NO_x emissions from each engine (IC-1, IC-2, IC-3, IC-5, IC-6, IC-7, IC-8, IC-9, and IC-10) for each calendar year, including:

I. A file containing the factor(s) used by the Permittee to determine NO_x emissions of the engines, with supporting documentation.

II. A log or other records for the operation of the engine, i.e., periods when the engine is operated and the level of operation (bhp), output (kW) of the engine or associated generator, or fuel usage (gallons/hour) if other than at the capacity of the engine.

Note: For the purpose of this log, the Permittee may assume that an engine is always operated at its maximum capacity, in which case records for the level of operation are not required.

III. If the level of operation, output or fuel usage is not normally tracked on at least an hourly basis, and the Permittee wants to consider the actual level of operation of the engine, records for the fuel usage of the engine, which shall be compiled on a periodic basis to calculate NO_x emissions and compared with the determination of emissions based on operating records.

IV. Records for the NO_x emissions of the engine in tons, which shall be compiled on a monthly basis.

D. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records documenting compliance with Subpart Q Maintenance Plan.

iii. Use of NO_x Allowances

A. Pursuant to 35 IAC 217.392(c), if the operation of the engines exceeds 100 tons NO_x per year, the Permittee may use NO_x allowances to show compliance notwithstanding such exceedance, provided that the criteria of 35 IAC 217.392(c)(1)(A) and (B) are met (i.e., the exceedance was due to an anomalous or unforeseen operating scenario inconsistent with historical operation and the Permittee has not used NO_x allowances for more than two such exceedances in the last five calendar years, inclusive). In such case, the Permittee shall surrender NO_x allowances to the IEPA in accordance with 35 IAC 217.392(c)(2). The Permittee shall also submit a report to the Illinois EPA by no later than March 1 of the following year addressing the exceedance(s) and the surrender of NO_x allowances in accordance with 35 IAC 217.392(c)(3). This report shall also demonstrate that the circumstances surrounding the exceedance were such that the Permittee was qualified to surrender NO_x allowances for the exceedance. Until this report is submitted, the exceedance shall be considered a deviation.

iv. Changing the Method of Compliance

A. Pursuant to 35 IAC 217.388(b), the Permittee may change the method of compliance with 35 IAC 217, Subpart Q from 35 IAC 217.388(a)(3) (i.e., low usage unit) to 35 IAC 217.388(a)(1) or (a)(2). In such case, the Permittee shall notify the IEPA at least 30 days in advance of the date that the engine(s) will comply with 35 IAC 217.388(a)(1) or (a)(2) if it is practical to do so or otherwise provide such notification as soon as it is practical to do so. As of the designated date (or January 1 of the next calendar year if required by 35 IAC 217.390(c)), the engine(s) will no longer be considered low usage engine(s), the operation of such engine(s) will no longer be included when determining compliance with the low usage limit in Condition 3.1(d)(i), and such engines must comply by either 35 IAC 217.388(a)(1) or (a)(2). For this purpose, if engine(s) would now comply by means of 35 IAC 217.388(a)(1), the "applicable compliance date", i.e., the date that the engine(s) shall begin complying with the applicable standards, shall be the designated date, as provided by 35 IAC 217.388(b)(1).

Note: In such event, the Permittee shall conduct testing and monitoring for the engine(s) that will cease to be low usage units in accordance with the requirements of 35 IAC 217.394(a) through (e), as applicable. For this purpose, references to the "applicable compliance date" in 35 IAC

217.394(a)(2) and (a)(3) shall mean the date by which compliance with 35 IAC 217.388(a)(1) or (a)(2) is to begin.

B. In addition, if the Permittee is changing the method of compliance from 35 IAC 217.388(a)(3) to 35 IAC 217.388(a)(2), the provisions of 35 IAC 217.390(b), (c) and (d) shall also govern the change in the method of compliance. For example, a new averaging plan shall be submitted and this plan shall generally be received by the IEPA by May 1 of a given calendar year if it is to be applicable in such year. As such, if engines would now comply by means of 35 IAC 217.388(a)(2), compliance shall be addressed for the entire ozone season and calendar year.

e. Future Emission Standards

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

2. Applicable Plans and Programs

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

a. Fugitive PM Operating Program

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

b. PM_{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 September 25, 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 SO_2, PM_{10}, NO_2, 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. <u>Risk Management Plan (RMP)</u>

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).

e. <u>Engine Maintenance Plan (Subpart Q Maintenance Plan)</u>

Pursuant to 35 IAC 217.388(a)(4), the Permittee shall inspect and perform periodic maintenance on the engines, in accordance with a Maintenance Plan that documents:

i. The manufacturer's recommended inspection and maintenance of the applicable air pollution control equipment, monitoring device, and affected unit; or

ii. If the original equipment manual is not available or substantial modifications have been made that require an alternative procedure for the applicable air pollution control device, monitoring device, or the engines, the Permittee shall establish a plan for inspection and maintenance in accordance with what is customary for the type of air pollution control equipment, monitoring device, and the engines.

iii. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Subpart Q Maintenance Plan, any amendments or revisions to the Subpart Q Maintenance Plan, and the Permittee shall also keep a record of activities completed according to the 35 IAC 217 Subpart Q Maintenance Plan.

iv. The Subpart Q Maintenance Plan, as submitted by the Permittee on September 24, 2012, and as may be subsequently amended, is incorporated herein by reference. The document constitutes the formal Subpart Q Maintenance Plan required by 35 IAC 217.388, addressing the actions that will be implemented to maintain these emissions units.

3. Title I Requirements

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

4. Synthetic Minor Limits

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

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:

I. Requirements in Conditions 3.1(a)(i), 3.1(b), 3.1(c), and 3.1(d).

II. Requirements in Conditions 3.2(a), 3.2(b), 3.2(c), 3.2(d), and 3.2(e).

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

ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

iv. All deviation reports required in this Permit shall be identified, summarized, and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

b. <u>Semiannual Reporting</u>

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. <u>Annual Emissions Reporting</u>

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

ii. Pursuant to Section 39.5(7)(b) of the Act, the following additional information for the engines subject to 35 IAC 217 Subpart Q (IC-1, IC-2, IC-3, IC-5, IC-6, IC-7, IC-8, IC-9, and IC-10) shall be reported with the Annual Emission Report for the source, in accordance with Condition 3.5(c)(i):

A. The combined annual operation of the engines, in bhp-hours, for the previous year.

B. If the operation of the engines is planned for purposes other than routine exercise, readiness testing or maintenance purposes, the projected annual operation of the affected engines, in bhp-hours, for the current year, with supporting explanation.

Section 4 – Emission Unit Requirements

4.1 Distillate Fuel and Dual Fuel 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*
IC-1 (#2 fuel, 1,635 KW 17.1 mmBtu/hr)	SO_2, CO, NO_x and HAP	1993	None	Catalytic Converter Systems	CPMS for each catalytic converter to measure inlet temperature
IC-2 (#2 fuel, 1,635 KW 17.1 mmBtu/hr)	SO_2, CO, NO_x and HAP	1993	None	Catalytic Converter Systems	CPMS for each catalytic converter to measure inlet temperature
IC-3 (#2 fuel, 1,635 KW 17.1 mmBtu/hr)	SO_2, CO, NO_x and HAP	1993	None	Catalytic Converter Systems	CPMS for each catalytic converter to measure inlet temperature
IC-7 (Dual, 4,570 KW 48.8 mmBtu/hr)	SO_2, CO, NO_x and HAP	1970	None	Catalytic Converter Systems	CPMS for each catalytic converter to measure inlet temperature
IC-8 (Dual, 4,570 KW 48.8 mmBtu/hr)	SO_2, CO, NO_x and HAP	1970	None	Catalytic Converter Systems	CPMS for each catalytic converter to measure inlet temperature
IC-9 (#2 fuel, 1,825 KW 17.6 mmBtu/hr)	SO_2, CO, NO_x and HAP	1996	None	Catalytic Converter Systems	CPMS for each catalytic converter to measure inlet temperature
IC-10 (#2 fuel, 1,825 KW 17.6 mmBtu/hr)	SO_2, CO, NO_x and HAP	1996	None	Catalytic Converter Systems	CPMS for each catalytic converter to measure inlet temperature

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), 39.5(7)(d) of the Act, and 40 CFR Part 63, Subpart ZZZZ.

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, except as provided in 35 IAC 212.123(b) and 212.124.

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 each engine in accordance with Method 9 at least once every calendar year or no later than two calendar years for engines not operated during a given calendar year. The initial Method 9 testing shall first be conducted within one year after this condition becomes effective.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all opacity measurements made in accordance with Method 9. 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, and the findings of the observation including the opacity values obtained from the Method 9 observation.

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.

B. Pursuant to Construction Permit 96050129, SO_2 emission from each of engines IC-9 and IC-10 shall not exceed 3.6 lbs/hr and 0.9 tons/yr. [T1]

ii. Compliance Method (SO_2 Requirements)

Monitoring

A. The periodic monitoring requirements sufficient to meet 39.5(7)(f) of the Act for the engines are addressed by the operational and production requirements in Condition 4.1.2(f) and the work practice requirement in Condition 4.1.2(g).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall record the SO_2 emission from each of engines IC-9 and IC-10, lbs/hr and tons/yr.

c. i. Carbon Monoxide Requirements (CO)

A. Pursuant to Construction Permit 96050129, CO emission from each of engines IC-9 and IC-10 shall not exceed 15.0 lbs/hr and 3.8 tons/yr. [T1]

ii. Compliance Method (CO Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(f) of the Act, compliance with the above annual limits shall be determined from monthly and annual CO emissions (tons/month and tons/year) based on distillate oil consumption for each engine with supporting calculations.

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

Recordkeeping

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall record the CO emission from each of engines IC-9 and IC-10, lbs/hr and tons/yr.

d. i. Nitrogen Oxide Requirements (NO_x)

A. Pursuant to CAAPP Permit 95080103 issued on November 7, 2002, the total NO_x emissions from engines IC-1, IC-2 and IC-3 shall not exceed 39.0 tons/yr. Compliance 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). [TIN]

B. Pursuant to Construction Permit 96050129, NO_x emission from each of engines IC-9 and IC-10 shall not exceed 56.8 lbs/hr and 14.2 tons/yr. [T1]

ii. Compliance Method (NO_x Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall record the combined NO_x emission of engines IC-1, IC-2 and IC-3 in tons/mo and tons/yr.

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall record the NO_x emission from each of engines IC-7 and IC-8, lbs/hr and tons/yr.

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall record the total NO_x emission from engines listed in the table of Condition 4.1.1, lbs/hr and tons/yr.

e. i. Hazardous Air Pollutant Requirements (HAP)

A. Pursuant to 40 CFR 63.6595(a)(1), the Permittee shall comply with the applicable emission limitations, and operating limitations of 40 CFR 63 Subpart ZZZZ no later than May 3, 2013.

B. Pursuant to 40 CFR 63.6603(a) and Table 2d, Row 3 of 40 CFR 63 Subpart ZZZZ, except during periods of engine startup as defined by 40 CFR 63.6675, the Permittee shall:

I. Limit the concentration of CO in the exhaust from the engines to 23 ppmvd at 15 percent oxygen (O_2); or

II. Reduce CO emissions by 70 percent or more.

C. Pursuant to 40 CFR 63.6665, the Permittee shall meet the applicable General Provisions of 40 CFR Subpart A as specified in Permit Condition 7.2(a).

ii. Compliance Method (HAP Requirements)

Monitoring

A. Pursuant to 40 CFR 63.6625(b)(1) through (6), the Permittee shall operate and maintain a continuous parameter monitoring system (CPMS) for each catalytic converter system to measure the inlet temperature of the system in accordance with the following:

I. Prepare a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in 40 CFR 63.6625(b)(1)(i) through (v) and 40 CFR 63.8(d).

II. Operate and maintain each CPMS in continuous operation according to the procedures in the site-specific monitoring plan.

III. Collect data from each CPMS at least every 15 minutes.

IV. Ensure temperature sensor has minimum tolerance of 5°F or 1% of temperature measurement range, whichever is larger.

V. Conduct CPMS equipment performance evaluation, system accuracy audits or other audit procedures specified in the site-specific monitoring plan at least annually.

VI. Conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan.

B. Pursuant to 40 CFR 63.6635(a), the Permittee shall monitor and collect data according to the following:

I. Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the Permittee shall monitor continuously at all times that the stationary RICE is operating.

II. The Permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. All valid data collected during all other periods shall be used in data averages and calculations.

C. Pursuant to 40 CFR 63.6640(a), the Permittee shall demonstrate continuous compliance with each emission limitations or operating limitations in Condition 4.1.2(e)(i)(A)&(B) according to the following:

I. For engine(s) that are "not limited use stationary RICE," use the methods specified in 40 CFR 63 Subpart ZZZZ Table 6 Row 10.

II. For engine(s) that are "limited use stationary RICE," use the methods specified in 40 CFR 63 Subpart ZZZZ Table 6 Row 12.

Note: Pursuant to 40 CFR 63.6675, "limited use stationary RICE" means any stationary RICE that operates less than 100 hours per year.

Testing

D. Pursuant to 40 CFR 63.6615 and Table 3 Rows 4 and 5, following the initial performance test, the Permittee shall perform each subsequent performance test on the following schedules:

I. For the engine(s) that are "not limited use stationary RICE", the subsequent test shall be performed every 8760 hours of operation or 3 years, whichever occurs first.

II. For the engine(s) that are "limited use stationary RICE", the subsequent test shall be performed every 8760 hours of operation or 5 years, whichever occurs first.

E. Pursuant to 40 CFR 63.6620, the Permittee shall complete subsequent performance tests in accordance with the requirements of 40 CFR 63.6620(d), (e) and (i) using both of the following methods:

I. Tests to measure reduced CO emissions in the engine exhaust must comply with the applicable requirements in 40 CFR 63 Subpart ZZZZ Table 4, Row 1.

II. Tests to measure the concentration of CO in the engine exhaust must comply with the applicable requirements in 40 CFR 63 Subpart ZZZZ Table 4, Row 3.

F. If the engine is non-operational at the time for a subsequent performance test, the Permittee shall conduct the performance test when the engine is started up again.

G. Testing shall comply with the applicable requirements of Condition 7.1.

Recordkeeping

H. Pursuant to 40 CFR 63.6655, the Permittee shall maintain all records required by 40 CFR 63 Subpart ZZZZ for each engine including:

I. Copy of each notification and report, including supporting documentation, required by 40 CFR 63 Subpart ZZZZ.

II. Records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment.

III. Records of performance tests and performance evaluations required in 40 CFR 63.10(b)(2)(viii).

IV. Records of all maintenance performed on the air pollution control and monitoring equipment.

V. Records of any actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including any corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

VI. Records described in 40 CFR 63.10(b)(2)(vi) through (xi) for the CPMS system.

I. Pursuant to 40 CFR 63.6655(d), the Permittee shall keep records required by 40 CFR 63 Subpart ZZZZ Table 6 to show continuous compliance with each applicable emission or operating limitation.

J. Pursuant to 40 CFR 63.6655(e), the Permittee shall keep records of the maintenance conducted on the engines in order to demonstrate that the engines and catalytic converters have been operated and maintained according to the site-specific maintenance plan.

f. i. <u>Operational and Production Requirements</u>

A. Pursuant to 40 CFR 63.6604, for each engine, the Permittee shall only use fuel that meets the requirements in 40 CFR 80.510(b) for non-road diesel fuel. Specifically, the sulfur content of the diesel fuel shall not exceed 15 ppm.

B. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas shall be the only gaseous fuel fired by engines IC-7 and IC-8.

C. Pursuant to the noted construction permit, engines IC-9 and IC-10 shall not be operated more than 500 hours per year each. [T1]

D. Pursuant to 40 CFR 63.6603(a), Table 2b of 40 CFR 63 Subpart ZZZZ, the Permittee shall operate the engines and the emission control devices as follows:

I. The pressure drop across the catalyst shall not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst measured during the initial performance test; and

II. Maintain the inlet temperature to oxidation catalyst system(s) between 450 and 1350 °F.

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 following:

I. Records of the type and amount of fuel fired by each engine on a monthly and annual basis.

II. Records of operation hours for each engine with fuel type on a monthly and annual basis.

III. Records for each shipment of fuel oil received, including the amount received, maximum sulfur content, and supplier. The Permittee may utilize data provided by the fuel oil supplier for the sulfur content of each shipment. The sulfur content of the fuel oil supply to the engines, based on the weighted average of material in the storage tank, or the sulfur content of the supply shall be assumed to be the highest sulfur content in any shipment in the tank.

IV. Emissions of CO and SO_2 from each of the engines with supporting calculations, tons/month and tons/year.

B. Pursuant to Sections 39.5(7)(b) and (d) of the Act, the Permittee shall maintain the following operating records:

I. Records of the pressure drop of each oxidation catalyst system, recorded at least once per operating day.

II. Records of the inlet temperature of each oxidation catalyst system, recorded at least once per operating day.

g. i. Work Practice Requirements

A. Pursuant to Section 39.5(7)(a) of the Act, 40 CFR 63.6(e)(1)(i), and 40 CFR 63.6605(b), the Permittee, at all times, including periods of startup, shutdown, and malfunction, shall maintain and operate the engines, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

B. Pursuant to 40 CFR 63.6625(g), the Permittee shall follow the manufacturer's specified maintenance requirements for operating and maintaining the closed crankcase ventilation systems and/or open filtration systems, and replacing the crankcase filters.

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) of the Act, at a minimum, the Permittee shall perform monthly inspections of each engine 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 and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.

3. Non-Applicability Determinations

a. The engines are not subject to the New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines, 40 CFR Part 60 Subpart IIII, because the engines commenced construction before July 11, 2005 pursuant to 40 CFR 60.4200(a)(2), and they have not been modified or reconstructed on or after July 11, 2005, pursuant to 40 CFR 60.4200(a)(3).

b. 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 are compression ignition.

c. 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.

d. The engines are not subject to 35 IAC 219.301, because the engines do not use organic material that would make them subject to 35 IAC 219.301.

e. The engines are not subject to 35 IAC 212.206, 214.122, 216.121 and 217.141, because the engines are not fuel combustion emission units as defined by 35 IAC 211.2470.

f. The engines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, for PM, SO_2, VOM, or NO_x because the engines do not use an add-on control device to achieve compliance with an emission limitation or standard for these pollutants.

g. The engines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for CO and HAP because the engines are subject to a NESHAP proposed after November 15, 1990, pursuant to 40 CFR 64.2(b)(2)(i).

h. Engines 1, 2, 3, 9 and 10 are exempt from the Acid Rain Program by meeting the new units exemption requirement of 40 CFR 72.7(a).

i. Engines 7 and 8 are not subject to the Acid Rain Program pursuant to 40 CFR 72.6(b)(2) because the units commenced commercial operation before November 15, 1990 and did not, as of November 15, 1990, and do not currently, serve a generator with a nameplate capacity of greater than 25 MWe.

4. Other Requirements

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), 39.5(7)(d) of the Act, and 40 CFR 63 Subpart ZZZZ.

a. Start-up and Malfunction Breakdown Requirements

i. Authorization for State Requirements

A. Start-up Requirements

Pursuant to 35 IAC 201.149, 201.261, and 201.262, the Permittee is authorized to operate in violation of the applicable requirements of Condition 4.1.2(a)(i)(A) during startup. The Permittee shall comply with all applicable requirements in Conditions 7.4(b) and (c) of this permit. This authorization is subject to the following:

I. This authorization only extends for a period of up to 2-hours following initial firing of fuel during each startup event.

II. The Permittee shall implement procedures to minimize startup emissions, the duration of startup, and the frequency of startups.

B. Malfunction Breakdown Requirements

Pursuant to 35 IAC 201.149, 201.261, and 201.262, the Permittee is authorized to continue operation in violation of the applicable requirements of Condition 4.1.2(a)(i)(A) during malfunction breakdown. The Permittee shall comply with all applicable requirements in Conditions 7.5(a) through (c) of this permit.

ii. Authorization for Federal Requirements

A. Pursuant to Start-up Requirements

Pursuant to 40 CFR 63.6625(h), the Permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission limitations in Permit Condition 4.1.2(g)(i)(B) are applicable.

5. Reporting Requirements

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

a. Prompt Reporting

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

I. Requirements in Conditions 4.1.2(a)(i), 4.1.2(b)(i), 4.1.2(c)(i), 4.1.2(d)(i), 4.1.2(e)(i), 4.1.2(f)(i), and 4.1.2(g)(i).

II. Requirements in Condition 4.1.4(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 Report required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

b. <u>Federal Reporting</u>

i. Pursuant to 40 CFR 63.6650(a) and Table 7, Row 1 of 40 CFR 63 Subpart ZZZZ, the Permittee shall:

A. Submit if there are no deviations from any emission limitations or operating limitations that apply, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period; if there were no periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), a statement that there were not periods during which the CMS was out-of-control during the reporting period. Semiannually according to the requirements in 40 CFR 63.6650(b)(1) through (5) for engines that are not limited use stationary RICE subject to numerical emission limitations; and annually according to the requirements in 40 CFR 63.6650(b)(6) through (9) for engines that are limited use stationary RICE subject to numerical emission limitations; or

B. Report if a deviation from any emission limitation or operating limitation occurred during the reporting period, the information in 40 CFR 63.6650(d), or if there were periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), the information in 40 CFR 63.6650(e). Semiannually according to the requirements in 40 CFR 63.6650(b); or

C. If there is a malfunction during the reporting period, report the information in 40 CFR 63.6650(c)(4) semiannually according to the requirements in 40 CFR 63.6650(b).

ii. Pursuant to 40 CFR 63.6650(b), the Permittee shall submit each applicable compliance report in accordance with the dates specified in 40 CFR 63.6650(b).

iii. Pursuant to 40 CFR 63.6650(c), compliance reports shall contain the following information:

A. Company name and address.

B. Statement by a responsible official, with that official’s name, title, and signature, certifying the accuracy of the content of the report.

C. Date of report and beginning and ending dates of the reporting period.

D. If there is a malfunction during the reporting period, the compliance report shall include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report shall also include a description of actions taken by the Permittee during a malfunction of a source to minimize emissions in accordance with 40 CFR 63.6605(b), including actions taken to correct a malfunction.

E. If there are no deviations from any emission or operating limitations that apply the Permittee, a statement that there were no deviations from the emission or operating limitations during the reporting period.

F. If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

iv. Pursuant to 40 CFR 63.6650(e), for each deviation from an operating limitation occurring for an engine, the Permittee shall include the following information with the compliance reports:

A. The date and time that each malfunction started and stopped.

B. The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.

C. The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR 63.8(c)(8).

D. The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.

E. A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.

F. A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.

G. A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.

H. An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.

I. A brief description of the stationary RICE.

J. A brief description of the CMS.

K. The date of the latest CMS certification or audit.

L. A description of any changes in CMS, processes, or controls since the last reporting period.

4.2 Emergency 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*
IC-5 (Dual, 2,150 KW 24.3 mmBtu/hr)	SO_2, HAP	1966	None	None	None
IC-6 (Dual, 2,150 KW 24.3 mmBtu/hr)	SO_2, HAP	1968	None	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), 39.5(7)(d) of the Act, and 40 CFR Part 63, Subpart ZZZZ.

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, except as provided in 35 IAC 212.123(b) and 212.124.

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 engines IC-5 and IC-6 in accordance with Method 9 at least once every calendar year or no later than two calendar years for engines not operated during a given calendar year. The initial Method 9 testing shall first be conducted within one year after this condition becomes effective.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all opacity measurements made in accordance with Method 9. 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, and the findings of the observation including the opacity values obtained from the Method 9 observation.

b. i. <u>Sulfur Dioxide Requirements (SO_2)</u>

A. Pursuant to 35 IAC 214.301, the Permittee shall not cause or allow the emission of sulfur dioxide into the atmosphere from the engines listed in the Table of 4.2.1 to exceed 2000 ppm.

ii. <u>Compliance Method (SO_2 Requirements)</u>

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. Pursuant to 40 CFR 63.6595(a)(1), the Permittee shall comply with the applicable requirements of 40 CFR 63 Subpart ZZZZ for existing emergency engines at an area source of HAP no later than May 3, 2013.

B. Pursuant to 40 CFR 63.6665, the Permittee shall meet the applicable general provisions of 40 CFR Subpart A as specified in Permit Section 7.2(a), except for 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (e), (g) and (h) per 40 CFR 63.6645(a)(5).

ii. Compliance Method (HAP Requirements)

Monitoring

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

B. Pursuant to 63.6640(a), the Permittee shall demonstrate continuous compliance with the work practice requirements in Condition 4.2.2(e)(i).

Recordkeeping

C. Pursuant to 40 CFR 63.6655(d), the Permittee shall keep records required by Table 6 of Subpart ZZZZ to show continuous compliance with each applicable work practice requirement in Condition 4.2.2(c)(ii)(B).

I. Records demonstrating that the Permittee operates and maintains the engines according to the manufacturer's emission-related maintenance instructions; or

II. Records demonstrating that the Permittee developed and follows its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

D. Pursuant to 40 CFR 63.6655(e), the Permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the engines have been operated and maintained according to the site-specific maintenance plan.

d. i. Operational and Production Requirements

A. Pursuant to 40 CFR 63.6604(b), beginning January 1, 2015, if the emergency engine is operated or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Conditions 4.2.2(d)(i)(C)(II)(2) and (3) below or that operates for the purpose specified in Condition 4.2.2(d)(i)(C)(III)(2) below, the Permittee shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for non-road diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

B. Pursuant to Section 39.5(7)(a) of the Act, pipeline-quality natural gas shall be the only gaseous fuel fired by the emergency engines IC-5 and IC-6.

C. Pursuant to 40 CFR 63.6640(f), the Permittee shall operate the emergency engines according to the requirements in Conditions 4.2.2(d)(i)(C)(I)through (III). In order for the engine to be considered an emergency stationary RICE under 40 CFR 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in Conditions

4.2.2(d)(i)(C)(I) through (III), is prohibited. If the Permittee does not operate the engine according to the requirements in Conditions 4.2.2(d)(i)(C)(I) through (III), the engine will not be considered an emergency engine under 40 CFR 63 Subpart ZZZZ and shall meet all requirements for non-emergency engines.

I. There is no time limit on the use of emergency engines in emergency situations.

II. The emergency engines may be operated for any combination of purposes specified below for a maximum of 100 hours per calendar year:

1. Maintenance checks and readiness testing of emergency units is limited to 100 hours per year, provided the checks are recommended by Federal, State, or local government, or the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency engine beyond 100 hours per calendar year.

2. Emergency engines may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

3. Emergency engines may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

III. Emergency engines located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in the above condition. Except as provided in the following situations, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

1. Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.

2. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

a. The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

b. The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

c. The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

d. The power is provided only to the facility itself or to support the local transmission and distribution system.

e. The Permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the Permittee.

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 following items for the emergency engines IC-5 and IC-6:

I. Records of the type of fuel fired by the engine on a monthly and annual basis.

II. Records for each shipment of fuel oil received, including the amount received, maximum sulfur content, and supplier. The Permittee may utilize data provided by the fuel oil supplier for the sulfur content of each shipment.

III. Records of operation hours for the engine with fuel type on a monthly and annual basis, and hours operated for emergency operation and non-emergency operation, respectively.

IV. Emissions of each pollutant from the engines with supporting calculations, tons/month and tons/year.

B. Pursuant to 40 CFR 63.6655(f), the Permittee shall keep records of the hours of operation of the engines that are recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for the purposes specified in Condition 4.2.2(d)(i)(C)(II)(2) or (3) or Condition 4.2.2(d)(i)(C)(III)(2), the Permittee shall keep records of the notification of the emergency situation, and the date, start time, and end time the engine was operated for these purposes.

e. i. Work Practice Requirements

A. Pursuant to 40 CFR 63.6625(e), the Permittee shall operate and maintain the engines according to the manufacturer's emission-related written

instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with safety and good air pollution control practice for minimizing emissions.

B. Pursuant to 40 CFR 63.6603(a) and Table 2d, Row 4 of 40 CFR 63 Subpart ZZZZ, the Permittee shall:

I. Change oil and filter every 500 hours of operation or annually, whichever comes first.

II. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.

III. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

IV. If the emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice shall be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated.

C. Pursuant to 40 CFR 63.6625(i), the Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in 40 CFR Subpart ZZZZ Table 2d.

D. Pursuant to 40 CFR 63.6640(a) and Table 6, Row 9 of 40 CFR 63 Subpart ZZZZ, the Permittee shall perform the following Work Practice:

I. Operating and maintaining the engines according to the manufacturer's emission-related operation and maintenance instructions; or

II. Develop and follow its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

E. Pursuant to 40 CFR 63.6625(f), the Permittee shall install a non-resettable hour meter on emergency engines listed in the Table of Section 4.2.1 if one is not already installed.

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 monthly inspections of the engines IC-5 and IC-6, and associated auxiliary equipment.

B. Pursuant to 40 CFR 63.6625(i), if the Permittee utilizes an oil analysis program in order to extend the specified oil change requirement in Condition 4.2.2(e)(i)(B)(I), the Permittee shall perform the following:

I. The oil analysis shall be performed at the same frequency specified for changing the oil in 40 CFR Subpart ZZZZ Table 2d.

II. The analysis program shall at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content.

III. The condemning limits for the parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5.

IV. If all of the condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee shall change the oil within 2 business days of receiving the results of the analysis. If the engine is not in operation when the results of the analysis are received, the Permittee shall change the oil within 2 business days or before commencing operation, whichever is later.

V. The analysis program shall be part of the maintenance plan for the engine.

Recordkeeping

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of each inspection performed for IC-5 and IC-6 along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.

D. Pursuant to 40 CFR 63.6625(i), if an oil analysis program is utilized in order to extend the specified oil change requirement in Condition 4.2.2(e)(i)(B)(I), the Permittee shall keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine.

3. Non-Applicability Determinations

a. The engines are not subject to the New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart IIII, because the engines commenced construction before July 11, 2005, and have not been reconstructed or modified after July 11, 2005, pursuant to 40 CFR 60.4200(a)(2) and (a)(3).

b. 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 are compression ignition fueled by distillate fuel exclusively.

c. 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.

d. The engines are not subject to 35 IAC 219.301, because the engines do not use organic material that would make them subject to 35 IAC 219.301.

e. The engines are not subject to 35 IAC 212.206, 35 IAC 214.122, and 35 IAC 216.121 because the engines are not fuel combustion emission units as defined by 35 IAC 211.2470.

f. Pursuant to 35 IAC 217.386(b)(1), the engines are not subject to 35 IAC 217 Subpart Q because the engines are used as emergency engines.

g. The engines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for PM, SO_2, VOM or NO_x because the engines do not use an add-on control device to achieve compliance with an emission limitation or standard for these pollutants.

h. The engines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for CO or HAP because the engines are subject to a NESHAP proposed after November 15, 1990, pursuant to 40 CFR 64.2(b)(2)(i).

i. Engines IC-5 and IC-6 are not subject to the Acid Rain Program pursuant to 40 CFR 72.6(b)(2) because the units commenced commercial operation before November 15, 1990 and did not, as of November 15, 1990, and do not currently, serve a generator with a nameplate capacity of greater than 25 MWe.

4. Other 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), 39.5(7)(d) of the Act, and 40 CFR Part 63, Subpart ZZZZ.

a. Start-up and Malfunction Breakdown Requirements For Engines IC-5 and IC-6

i. Authorization for State Requirements

A. Start-up Requirements

Pursuant to 35 IAC 201.149, 201.261, and 201.262, the Permittee is authorized to operate in violation of the applicable requirements of Condition 4.2.2(a)(i)(A) during startup. The Permittee shall comply with all applicable requirements in Condition 7.4 of this permit. This authorization is subject to the following:

I. This authorization only extends for a period of up to 2-hours following initial firing of fuel during each startup event.

II. The Permittee shall implement procedures to minimize startup emissions, the duration of startup, and the frequency of startups.

B. Malfunction Breakdown Requirements

Pursuant to 35 IAC 201.149, 201.261, and 201.262, the Permittee is authorized to continue operation in violation of the applicable requirements of Condition 4.2.2(a)(i)(A) during malfunction breakdown. The Permittee shall comply with all applicable requirements in Condition 7.5 of this permit.

ii. Authorization for Federal Requirements

A. Pursuant to 40 CFR 63.6625(h), the Permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

5. Reporting Requirements

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

a. Prompt Reporting

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

I. Requirements in Conditions 4.2.2(a)(i), 4.2.2(b)(i), 4.2.2(c)(i), 4.2.2(d)(i), and 4.2.2(e)(i).

II. Requirements in Condition 4.2.4(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 Report required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

b. Federal Reporting

i. Pursuant to 40 CFR 63.6650(a) and Table 7, Row 4 of 40 CFR 63 Subpart ZZZZ, beginning with calendar year 2015, if the emergency stationary RICE is operated or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Conditions 4.2.2(d)(i)(C)(II)(2)&(3) or that operates for the purpose specified in Condition 4.2.2(d)(i)(C)(III)(2), the Permittee shall report the information in accordance to the requirements in 40 CFR 63.6650(h)(1) through (3).

Section 5 – Additional Title I Requirements

1. Construction Permits - (Equipment Not Yet Built)

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

Section 6 – Insignificant Activities Requirements

1. Insignificant Activities Subject to 40 CFR 63 Subpart ZZZZ

This condition is reserved for insignificant activities as defined in 35 IAC 201.210 and 201.211 which are subject to hazardous air pollutant requirements (NESHAP - 40 CFR 63 Subpart ZZZZ) promulgated pursuant to Sections 111, 112, 165, or 173 of the Clean Air Act, see Sections 9.1(d) and 39.5(6)(a) of the Act.

Insignificant Activity	*Number of Units*	*Insignificant Activity Category*
Northtown Substation Back-Up Generator (8 kW liquid propane fired)	1	35 IAC 201.210(a)(15)
Water Treatment Plant Back-up Generator (500 kW standby)	1	35 IAC 201.210(a)(16)

a. i. Pursuant to 40 CFR 63.6595(a)(1), the Permittee shall comply with the applicable emission limitations, and operating limitations of 40 CFR 63 Subpart ZZZZ no later than May 3, 2013. There are no applicable emission limitations or operating limitations for existing emergency RICE at area sources of HAPs.

ii. Compliance Method (HAP Requirements)

Monitoring

A. Pursuant to 63.6640(a), the Permittee shall demonstrate continuous compliance with the work practice requirements in Condition 6.1(c)(i)(B).

Recordkeeping

B. Pursuant to 40 CFR 63.6655(d), the Permittee shall keep records required by Table 6 of Subpart ZZZZ to show continuous compliance with each applicable work practice requirement in Condition 6.1(c)(i)(A).

I. Records demonstrating that the Permittee operates and maintains the stationary RICE according to the manufacturer's emission-related maintenance instructions; or

II. Records demonstrating that the Permittee developed and follows its own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

C. Pursuant to 40 CFR 63.6655(e), the Permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE has been operated and maintained according to the site-specific maintenance plan.

b. i. **<u>Operational and Production Requirements</u>**

A. Pursuant to 40 CFR 63.6604, beginning January 1, 2015, if the emergency stationary RICE is operated or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Conditions 6.1(b)(i)(B)(II)(2)&(3) below or that operates for the purpose specified in Condition 6.1(b)(i)(B)(III)(2) below, the Permittee shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for non-road diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

B. Pursuant to 40 CFR 63.6640(f), the Permittee shall operate the emergency stationary RICE according to the requirements in Conditions 6.1(b)(i)(B)(I)

through (III). In order for the engine to be considered an emergency stationary RICE under 40 CFR 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in Conditions 6.1(b)(i)(B)(I) through (III), is prohibited. If the Permittee does not operate the engine according to the requirements in Conditions 6.1(b)(i)(B)(I) through (III), the engine will not be considered an emergency engine under 40 CFR 63 Subpart ZZZZ and shall meet all requirements for non-emergency engines.

I. There is no time limit on the use of emergency stationary RICE in emergency situations.

II. The emergency stationary RICE may be operated for any combination of purposes specified in Condition 6.1(b)(i)(B)(II) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed under Condition 6.1(b)(i)(B)(III) counts a part of the 100 hours per calendar year allowed by Condition 6.1(b)(i)(B)(II):

1. Maintenance checks and readiness testing of emergency units is limited to 100 hours per year, provided the checks are recommended by Federal, State, or local government, or the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

2. Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

3. Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

III. Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in Condition 6.1(b)(i)(B)(II). Except as provided in Condition 6.1(b)(i)(B)(III)(1)&(2) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

1. Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving

(load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.

2. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

   a. The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

   b. The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

   c. The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

   d. The power is provided only to the facility itself or to support the local transmission and distribution system.

   e. The Permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

A. Pursuant 40 CFR 63.6655(f), the Permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for the purposes specified in Condition 6.1(b)(i)(B)(II)(2) or (3) or Condition 6.1(b)(i)(B)(III)(2), the Permittee shall keep records of the notification of the emergency situation, and the date, start time, and end time the engine was operated for these purposes.

c. i. Work Practice Requirements

A. Pursuant to 40 CFR 63.6625(e), the Permittee shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

B. Pursuant to 40 CFR 63.6603(a) and Table 2d, Row 4 of 40 CFR 63 Subpart ZZZZ, the Permittee shall:

   I. Change oil and filter every 500 hours of operation or annually, whichever comes first.

II. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.

III. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

IV. If the emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated.

C. Pursuant to 40 CFR 63.6625(i), the Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in 40 CFR Subpart ZZZZ Table 2d.

D. Pursuant to 40 CFR 63.6640(a) and 40 CFR 63 Subpart ZZZZ Table 6 Row 9, the Permittee shall perform the following Work Practice:

I. Operating and maintaining the engines according to the manufacturer's emission-related operation and maintenance instructions; or

II. Develop and follow its own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

E. Pursuant to 40 CFR 63.6625(f), the Permittee shall install a non-resettable hour meter if one is not already installed.

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

Monitoring

A. Pursuant to 40 CFR 63.6625(i), if the Permittee utilizes an oil analysis program in order to extend the specified oil change requirement in Condition 6.1(c)(i)(B)(I), the Permittee shall perform the following:

I. The oil analysis shall be performed at the same frequency specified for changing the oil in 40 CFR Subpart ZZZZ Table 2d.

II. The analysis program shall at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content.

III. The condemning limits for the parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5.

IV. If all of the condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee shall change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the

Permittee shall change the oil within 2 business days or before commencing operation, whichever is later.

V. The analysis program shall be part of the maintenance plan for the engine.

Recordkeeping

B. Pursuant to 40 CFR 63.6625(i), if the Permittee utilizes an oil analysis program in order to extend the specified oil change requirement in Condition 6.1(c)(i)(B)(I), the Permittee shall keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes.

d. Start-up Requirements

i. Pursuant to 40 CFR 63.6625(h), the Permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

e. Federal Reporting

i. Pursuant to 40 CFR 63.6650(a) and Table 7, Row 4 of 40 CFR 63 Subpart ZZZZ, beginning with calendar year 2015, if the emergency stationary RICE is operated or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Conditions 6.1(b)(i)(B)(II)(2) and (3) or that operates for the purpose specified in Condition 6.1(b)(i)(B)(III)(2), the Permittee shall report the information in 40 CFR 63.6650(h)(1) annually according to the requirements in 40 CFR 63.6650(h)(2) and (3).

2. Insignificant Activities Subject to 40 CFR 60 Subpart IIII

This condition is reserved for insignificant activities as defined in 35 IAC 201.210 and 201.211 which are subject to Standards of Performance for New Stationary Sources (NSPS - 40 CFR 60 Subpart IIII) promulgated pursuant to Sections 111, 112, 165, or 173 of the Clean Air Act, see Sections 9.1(d) and 39.5(6)(a) of the Act.

Insignificant Activity	*Number of Units*	*Insignificant Activity Category*
Utility Building Back-Up Generator (60 kW Standby, 2007)	1	35 IAC 201.210(a)(15)
Police Dept Back-Up Generator (100 kW Standby, 2007)	1	35 IAC 201.210(a)(15)
Power House Back-Up Generator (60 kW Standby, 2007)	1	35 IAC 201.210(a)(15)
Lochmann Substation Back-Up Generator (30 kW Standby, 2006)	1	35 IAC 201.210(a)(15)
Fire Dept Back-Up Generator (60 kW Standby, 2009)	1	35 IAC 201.210(a)(15)
City Hall Back-Up Generator (125 kW Standby, 2007)	1	35 IAC 201.210(a)(16)

a. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements in addition to the applicable requirements in Condition 6.5:

i. Standards of Performance for New Stationary Sources - Engines

A. Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60 Subpart IIII)

I. Pursuant to 40 CFR 60.4205(a), the Lochmann Substation Backup Generator is subject to the emission limitations listed in Table 1 of 40 CFR 60 Subpart IIII.

II. Pursuant to 40 CFR 60.4205(b) and 60.4202(a)(2), except for the Lochmann Substation Backup Generator, engines in the above table are subject to the emission limitations of 40 CFR 89.112 and 89.113.

III. Pursuant to 40 CFR 60.4218 and Table 8 of 40 CFR 60 Subpart IIII, the engines shall meet the applicable general provisions of 40 CFR 60 Subpart A. See Condition 7.3(a).

IV. The engines shall 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 60 Subpart IIII and 40 CFR 89 Subpart B.

ii. National Emission Standards for Hazardous Air Pollutants for Source Categories - Engines

A. National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63 Subpart ZZZZ)

I. Pursuant to 40 CFR 63.6590(c), the engines shall meet the requirements of Subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII.

3. Insignificant Activities in 35 IAC 201.210(a)

In addition to any Insignificant Activities identified in Condition 6.1 and 6.2, the following additional activities at the source constitute insignificant activities:

Insignificant Activity	*Number of Units*	*Insignificant Activity Category*
Direct combustion units designed and used for comfort heating purposes and fuel combustion units with a rated capacity of less than 200,000 Btu/hr which never burn refuse or treated or chemically contaminated wood.	11	35 IAC 201.210(a)(4)
Storage tanks of virgin or re-refined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil.	20	35 IAC 201.210(a)(11)
Gas turbines and stationary reciprocating internal combustion engines of between 1118 and 112 kW (1500 and 150 HP) power output that are emergency or standby units)	1	35 IAC 201.210(a)(16)

a. Pursuant to 40 CFR 63.6585(f)(3), existing institutional emergency RICE at an area source are not subject to Subpart ZZZZ. The engine listed in Condition 6.3 is an existing emergency RICE located at an institutional facility and is not subject to Subpart ZZZZ requirements.

4. 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 (29) as being present at the source. The source is not required to individually list the activities.

5. Applicable Requirements

Insignificant activities in Conditions 6.1 through 6.3 are subject to the following regulatory limits, as applicable, 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 , 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 in 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 219.122(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 219.121(a) or is fitted with a recovery system as described in 35 IAC 219.121(b)(2). Exception as provided in 35 IAC 219.122(c): If no odor nuisance exists the limitations of 35 IAC 219.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.

6. 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 through 6.3:

a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.7, the categories the insignificant activities fall under, and supporting calculations if needed.

7. 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, 6.2 or 6.3, 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, 6.2 or 6.3, 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 6.7(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, 6.2 or 6.3, 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 described in Condition 6.4, 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 39.5(7)(a) of the Act as follows:

i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.

ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.

c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but no later than ninety (90) days after completion of the test, unless it is required

otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.5(7)(b) 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. 40 CFR 63 Subpart A Requirements (NESHAP)

a. 40 CFR 63 Subpart A and Subpart ZZZZ – Stationary Reciprocating Internal Combustion Engines

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

General Provision Citation	*General Provision Applicable?*	*Subject of Citation*	*Explanation (if required)*
40 CFR 63.1	Yes	General Applicability of the General Provisions	
40 CFR 63.2	Yes	Definitions	Including definitions at 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 for 40 CFR 63.6(e), (f)(1), and (h). 40 CFR 63.6(h) is not applicable because Subpart ZZZZ does not contain opacity or visible emission standards. (63.6(b)(6), (c)(3)-(4), and (d) are reserved.)
40 CFR 63.7	Yes	Performance Testing Requirements	Except for 40 CFR 63.7(e)(1) because Subpart ZZZZ specifies conditions for conducting performance tests in 40 CFR 63.6620. See 63.6610, 63.6611, and 63.6612 for performance testing dates. 63.7(b) and (c) only apply as specified in 63.6645.
40 CFR 63.8	Yes	Monitoring Requirements	Except for 40 CFR 63.8(a)(4), (c)(1)(i), (c)(1)(iii), (c)(5), (e)(5)(ii), and provisions related to COMS. 63.8(e), (f)4), and (f)6) apply only as specified in 63.6645. See 63.6625 for specific monitoring requirements. Averaging periods for demonstrating compliance are specified in 63.6635 and 63.6640. (63.8(a)(3) is reserved.)
40 CFR 63.9	Yes	Notification Requirements	Except for 40 CFR 63.9(f) and (g)(2) because ZZZZ does not contain opacity or visible emission standards. 63.9(b)-(e), (g), and (h) only apply as specified in 63.6645. (63.9(b)(3) and (h)(4) are reserved.)
40 CFR 63.10	Yes	Recordkeeping and Reporting Requirements	Except for 40 CFR 63.10(b)(2)(i)-(v), (d)(3), (d)(5), (e)(2)(ii), and (e)(4). (63.10(c)(2)-(4), (9) and (e)(3)(i)(c) are reserved.)
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	

3. 40 CFR 60 Subpart A Requirements (NSPS)

a. 40 CFR 60 Subpart A and Subpart IIII—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Pursuant to 40 CFR 60 Subpart A and Subpart IIII, 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 60.1	Yes	General Applicability of the General Provisions	
40 CFR 60.2	Yes	Definitions	Additional terms defined in 40 CFR 60.4219.
40 CFR 60.3	Yes	Units and Abbreviations	
40 CFR 60.4	Yes	Address	
40 CFR 60.5	Yes	Determination of Construction or Modification	
40 CFR 60.6	Yes	Review of Plans	
40 CFR 60.7	Yes	Notification and Recordkeeping	Except that 40 CFR 60.7 only applies as specified in 40 CFR 60.4214(a).
40 CFR 60.8	Yes	Performance Tests	Except that 40 CFR 60.8 only applies to stationary CI ICE with a displacement of (≥30 liters per cylinder and engines that are not certified.
40 CFR 60.9	Yes	Availability of Information	
40 CFR 60.10	Yes	State Authority	
40 CFR 60.11	No	Compliance with Standards and Maintenance Requirements	Requirements are specified in 40 CFR 60 Subpart IIII.
40 CFR 60.12	Yes	Circumvention	
40 CFR 60.13	Yes	Monitoring Requirements	Except that 40 CFR 60.13 only applies to stationary CI ICE with a displacement of (≥30 liters per cylinder.
40 CFR 60.14	Yes	Modification	
40 CFR 60.15	Yes	Reconstruction	
40 CFR 60.16	Yes	Priority List	
40 CFR 60.17	Yes	Incorporations by Reference	
40 CFR 60.18	No	General Control Device Requirements and Work Practice Requirements	
40 CFR 60.19	Yes	General Notification and Reporting Requirements	

4. Startup Requirements

a. Startup Provisions

Pursuant to 35 IAC 201.149, 201.261, and 201.262, the Permittee is authorized to operate in violation of the applicable requirements (as referenced in Conditions 4.1.4(a)(i)(A) and 4.2.4(a)(i)(A) of this CAAPP permit) during startup. The Permittee has applied for such authorization in its application, generally describing the efforts that will be used "…to minimize startup emissions, duration of individual starts, and frequency of startups." As provided by 35 IAC 201.265, authorization in this CAAPP permit for excess emissions during startup does not shield the Permittee from enforcement for any violation of applicable emission standard(s) that occurs during startup and only constitutes a prima facie defense to such an enforcement action provided that the Permittee has fully complied with all terms and conditions connected with such authorization.

i. This authorization does not relieve the Permittee from the continuing obligation to demonstrate that all reasonable efforts are made to minimize startup emissions, duration of individual starts, and frequency of startups.

ii. The Permittee shall conduct startups in accordance with written startup procedures prepared by the source and maintained at the source, that are specifically developed to minimize startup emissions, duration of individual starts, and frequency of startups.

b. Monitoring – Recordkeeping

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

i. A copy of the most recent startup procedures that contains at a minimum:

A. Estimates of excess opacity emissions at startup.

B. Reasonable steps that will be used to minimize startup emissions, duration of individual starts, and frequency of startups.

ii. Records for each individual startup that contains at a minimum:

A. Date, time, duration, and description of the startup.

B. Whether the most recent startup procedures were performed. If not performed, an explanation why the procedures were not performed.

C. Whether normal operation was achieved in the allowed duration (as referenced in Conditions 4.1.4(a)(i)(A) and 4.2.4(a)(i)(A) of this CAAPP permit). If not achieved, and explanation why normal operation was not achieved in the allowed duration.

D. An explanation of whether opacity during the startup exceeded the estimates in the startup procedures and whether opacity exceeded any applicable standard or limit not authorized to be violated during startup.

c. Monitoring – Reporting

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

i. Prompt Reporting

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

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

ii. Semiannual Reporting

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

5. Malfunction Breakdown Requirements

a. Malfunction Breakdown Provisions

Pursuant to 35 IAC 201.149, 201.261, and 201.262, the Permittee is authorized to continue operation in violation of the applicable requirements (as referenced in Conditions 4.1.4(a)(i)(B) and 4.2.4(a)(i)(B) of the CAAPP permit) during malfunction or breakdown. The Permittee 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 Permittee 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 Permittee 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 Permittee 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 Permittee 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 opacity during malfunction or breakdown.

B. Reasonable steps that will be taken to minimize opacity, 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 opacity 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 opacity during malfunction or breakdown were above typical opacity in the malfunction or breakdown procedures and whether opacity 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 Permittee 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 operations continued in violation of the applicable requirements during malfunction or breakdown:

A. The Permittee 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 Permittee 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 Permittee 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 Permittee 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 Condition 7.5(c)(i) 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.

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)	25
Sulfur Dioxide	(SO_2)	0.05
Particulate Matter	(PM)	2.18
Nitrogen Oxides	(NO_x)	100
HAP, not included in VOM or PM	(HAP)	--
Total		127.2

Attachment 1 – List of Emission Units at This Source

Section	*Emission Units*	*Description*
4.1	17.1 mmBtu/Hr (1.63MW) Engine (IC-1)	Caterpillar, Distillate Fuel Oil, 1993
4.1	17.1 mmBtu/Hr (1.63MW) Engine (IC-2)	Caterpillar, Distillate Fuel Oil, 1993
4.1	17.1 mmBtu/Hr (1.63MW) Engine (IC-3)	Caterpillar, Distillate Fuel Oil, 1993
4.1	48.8 mmBtu/Hr (4.57MW) Engine (IC-7)	Norberg, Dual Fuel, 1970
4.1	48.8 mmBtu/Hr (4.57MW) Engine (IC-8)	Norberg, Dual Fuel, 1970
4.1	17.6 mmBtu/Hr (1.83MW) Engine (IC-9)	Caterpillar, Distillate Fuel Oil, 1996
4.1	17.6 mmBtu/Hr (1.83MW) Engine (IC-10)	Caterpillar, Distillate Fuel Oil, 1996
4.2	24.3 mmBtu/Hr (2.15MW) Engine (IC-5)	Fairbanks-Morse, Dual Fuel, 1966, Emergency
4.2	24.3 mmBtu/Hr (2.15MW) Engine (IC-6)	Fairbanks-Morse, Dual Fuel, 1968, Emergency

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
°F	Degrees Fahrenheit
GHG	Greenhouse 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, Illinois 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, Illinois 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, Illinois 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, Illinois 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, Illinois 62794-9506 Phone No.: 217/785-1705
USEPA Region 5 - Air Branch	USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 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