

Attention:

State Farm Mutual Automobile Insurance Company  
Attn: Josh K. Mast  
3 State Farm South  
Bloomington, Illinois 61791

State of Illinois

CLEAN AIR ACT PERMIT  
PROGRAM (CAAPP) PERMIT

Source:

State Farm Mutual Automobile Insurance Company  
2112 East Hamilton Road  
Bloomington, Illinois 61791

I.D. No.: 113020AEP  
Permit No.: 95120220

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.: 113020AEP  
Permit No.: 95120220  
Statement of Basis No.: 95120220-1204

Date Application Received: October 24, 2003  
Date Issued: September 20, 2012

Expiration Date: September 20, 2017  
Renewal Submittal Date: 9 Months Prior to September 20, 2017

Source Name: State Farm Mutual Automobile Insurance Company  
Address: 2112 East Hamilton Road  
City: Bloomington  
County: McLean  
ZIP Code: 61791

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 LeeAnne Kinsella at 217/785-1705.

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

ECB:MTR:LAK:psj

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

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**Section 1 - Source Information**

**1. Addresses**

Source

State Farm Mutual Automobile Insurance Co  
2112 East Hamilton Road  
Bloomington, Illinois 61791

Owner

State Farm Mutual Automobile Insurance Co  
3 State Farm South  
Bloomington, Illinois 61791

Operator

State Farm Mutual Automobile Insurance Co  
3 State Farm South  
Bloomington, Illinois 61791

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.

	<i>Name</i>	<i>Title</i>
<i>Responsible Official</i>	Josh K. Mast	Assistant Vice President
<i>Delegated Authority</i>	No other individuals have been authorized by the IEPA.	N/A

Other Contacts

	<i>Name</i>	<i>Phone No.</i>	<i>Email</i>
<i>Source Contact</i>	Josh K. Mast	309/766-5678	josh.mast.an9s@statefarm.com
<i>Technical Contact</i>	Tim Cerven	309/763-5572	tim.cerven.l716@statefarm.com
<i>Correspondence</i>	Josh K. Mast	309/766-5678	josh.mast.an9s@statefarm.com
<i>Billing</i>	Tim Cerven	309/763-5572	tim.cerven.l716@statefarm.com

**3. Single Source**

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

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

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## 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. 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. [Section 39.5(7)(g) of the Act]

### 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 preventative maintenance, careless or improper operation, or operation error.
- c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or

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

### **3. General Provisions**

#### **a. Duty to Comply**

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

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

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

#### **c. Duty to Maintain Equipment**

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

#### **d. Disposal Operations**

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

#### **e. Duty to Pay Fees**

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

#### **f. Obligation to Allow IEPA Surveillance**

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

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

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

**g. Effect of Permit**

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

**h. Severability Clause**

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

**4. Testing**

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

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

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

**5. Recordkeeping**

**a. Control Equipment Maintenance Records**

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

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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 July 25, 2012 (date USEPA notice started), unless this permit has been modified to reflect such new requirements.
- b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.
- c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way

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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

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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

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

#### b. Ozone Depleting Substances

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

- i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.
- ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.
- iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.
- iv. Pursuant to 40 CFR 82.166, 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

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

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

**d. Future Emission Standards**

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

**2. Applicable Plans and Programs**

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

**a. Fugitive PM Operating Program**

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

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

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM<sub>10</sub> Contingency Measure Plan reflecting the PM<sub>10</sub> emission reductions as set forth in 35 IAC 212.701 and 212.703. The Permittee shall, within 90 days after the date this source becomes subject to 35 IAC 212.700, submit a request to modify this CAAPP permit in order to include a new, appropriate PM<sub>10</sub> Contingency Measure Plan.

**c. Episode Action Plan**

Should this source become subject to 35 IAC 244.142, the Permittee shall prepare, submit, and operate under an Episode Action Plan for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures and submitted to the IEPA for its review. The Episode Action Plan shall contain the information specified in 35 IAC 244.144. The Permittee shall immediately implement the appropriate steps described in this Episode Action Plan should an air pollution alert or emergency be declared. Any future Episode Action Plan made by the Permittee during the

permit term is automatically incorporated by reference provided the Episode Action Plan is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the Episode Action Plan. In the event that the IEPA notifies the Permittee of a deficiency with any 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.

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

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

**3. Title I Requirements**

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

**4. Synthetic Minor Limits**

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

**5. Reporting Requirements**

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

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:
  - I. Requirements in Conditions 3.1(a)(i), 3.1(b), 3.1(c), and 3.1(d).
  - 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.

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

**b. Semiannual Reporting**

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

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

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

**c. Annual Emissions Reporting**

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

**Section 4 - Emission Unit Requirements**

**4.1 Distillate Fuel Oil Fired Emergency Engines EG-1N, EG-2N, EG-3N**

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Three (3) 15.892 mmBtu/hr Distillate Fuel Oil Fired Engines (EG-1N, EG-2N, EG-3N)	SO <sub>2</sub> , NO <sub>x</sub>	February 1994	N/A	None	None

**2. Applicable Requirements**

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

**a. i. Opacity Requirements**

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

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

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on each engine in accordance with Method 9 at least once every 200 hours of operation of each engine. 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 each opacity observation performed. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

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

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

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

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

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

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- c. i. **Nitrogen Oxide Requirements (NO<sub>x</sub>)**
- A. Pursuant to Construction Permit #99110094, NO<sub>x</sub> emissions from the engines combined shall not exceed 54.75 tons/month and 193.4 tons/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]
- ii. **Compliance Method (NO<sub>x</sub> Requirements)**
- Recordkeeping
- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the NO<sub>x</sub> emissions from the engines including supporting calculations (ton/month and ton/year).
- d. i. **Hazardous Air Pollutant Requirements (HAP)**
- A. Pursuant to 40 CFR 63.6580, the engines are subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63 Subpart ZZZZ. However, the engines do not have to meet the requirements of 40 CFR 63 Subpart ZZZZ and Subpart A, including initial notification requirements, because the engines are existing commercial emergency stationary RICE located at an area source of HAP emissions, pursuant to 40 CFR 63.6590(b)(3)(vii).
- ii. **Periodic Monitoring Compliance Method**
- There are no periodic monitoring requirements that need to be separately addressed because there are no applicable requirements in 40 CFR 63 Subpart ZZZZ for the engines.
- e. i. **Operational and Production Requirements**
- A. Pursuant to Section 39.5(7)(a) of the Act, distillate fuel oils shall be the only fuels fired in the engines.
- B. Pursuant to Construction Permit #99110094, distillate fuel oil usage from the engines combined shall not exceed 298,000 gallons/month and 1,050,000 gallons/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]
- ii. **Compliance Method (Operational and Production Requirements)**
- Recordkeeping
- A. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the type of fuel fired in the engines.
- B. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records for each shipment of distillate fuel oil for the engines, including date, supplier, quantity, and sulfur content.
- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the distillate fuel oil usage from the engines (gallons/month and gallons/year).

f. i. Work Practice Requirements

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

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of the engines 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 any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

**3. Non-Applicability Determinations**

- a. The engines are not subject to the New Source Performance Standards (NSPS) for Stationary Spark Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart 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 35 IAC 212.321 or 212.322, due to the unique nature of such units, a process weight rate cannot be set so that such rules cannot reasonably be applied, pursuant to 35 IAC 212.323.
- c. The engines are not subject to 35 IAC 215.301, because the engines do not use organic material that would make them subject to 35 IAC 215.301.
- d. The engines are not subject to 35 IAC 216.121, because the engines are not fuel combustion units as defined by 35 IAC 211.2470.
- e. The engines are not subject to 35 IAC 217 Subpart Q because the engines do not meet the criteria in 35 IAC 217.386(a).
- f. The engines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the engines do not use an add-on control device to achieve compliance with an emission limitation or standard.

**4. Other Requirements**

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

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

i. Authorization for State Requirements

A. Start-up Requirements

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to operate in violation of the applicable requirements of Condition

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4.1.2(a)(i)(A) during startup. The Permittee shall comply with all applicable requirements in Section 7.3 of this permit.

**5. Reporting Requirements**

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

**a. Prompt Reporting**

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

**4.2 Distillate Fuel Oil Fired Emergency Engines EG-C1, EG-C2, EG-CD, EG-D1, EG-D2**

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Five (5) 7.7 mmBtu/hr Distillate Fuel Oil Fired Engines (EG-C1, EG-C2, EG-CD, EG-D1, EG-D2)	SO <sub>2</sub> , CO, NO <sub>x</sub>	March 2005	N/A	None	None

**2. Applicable Requirements**

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

**a. i. Opacity Requirements**

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

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

**Monitoring**

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on each engine in accordance with Method 9 at least once every 200 hours of operation of each engine. 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 each opacity observation performed. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

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

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

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

B. Pursuant to Construction Permit #04090053, SO<sub>2</sub> emissions from the engines combined shall not exceed 12.8 tons/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

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

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the SO<sub>2</sub> emissions from the engines including supporting calculations (ton/month and ton/year).

c. i. Carbon Monoxide Requirements (CO)

- A. Pursuant to Construction Permit #04090053, CO emissions from the engines combined shall not exceed 3.8 tons/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (CO Requirements)

Recordkeeping

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

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

- A. Pursuant to Construction Permit #04090053, NO<sub>x</sub> emissions from the engines combined shall not exceed 39.1 tons/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

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

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the NO<sub>x</sub> emissions from the engines including supporting calculations (ton/month and ton/year).

e. i. Hazardous Air Pollutant Requirements (HAP)

- A. Pursuant to 40 CFR 63.6580, the engines are subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63 Subpart ZZZZ. However, the engines do not have to meet the requirements of 40 CFR 63 Subpart ZZZZ and Subpart A, including initial notification requirements, because the engines are existing commercial emergency stationary RICE located at an area source of HAP emissions, pursuant to 40 CFR 63.6590(b)(3)(vii).

ii. Periodic Monitoring Compliance Method

There are no periodic monitoring requirements that need to be separately addressed because there are no applicable requirements in 40 CFR 63 Subpart ZZZZ for the engines.

f. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, distillate fuel oils shall be the only fuels fired in the engines.

- B. Pursuant to Construction Permit #04090053, the sulfur content of the distillate fuel oil being fired by the engines shall not exceed 0.5% by weight.
- C. Pursuant to Construction Permit #04090053, distillate fuel oil usage from the engines combined shall not exceed 45,000 gallons/month and 274,550 gallons/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the type of fuel fired in the engines.
- B. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records for each shipment of distillate fuel oil for the engines, including date, supplier, quantity, and sulfur content.
- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the distillate fuel oil usage from the engines (gallons/month and gallons/year).

g. i. Work Practice Requirements

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

ii. Compliance Method (Work Practice Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of the engines 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 any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

**3. Non-Applicability Determinations**

- a. The engines are not subject to the New Source Performance Standards (NSPS) for Stationary Spark Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart 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 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.

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- c. The engines are not subject to 35 IAC 215.301, because the engines do not use organic material that would make them subject to 35 IAC 215.301.
- d. The engines are not subject to 35 IAC 216.121, because the engines are not fuel combustion units as defined by 35 IAC 211.2470.
- e. The engines are not subject to 35 IAC 217 Subpart Q because the engines are not applicable to 35 IAC 217.386(a).
- f. The engines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the engines do not use an add-on control device to achieve compliance with an emission limitation or standard.

#### **4. Other Requirements**

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

#### **5. Reporting Requirements**

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

##### **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), 4.2.2(f)(i), and 4.2.2(g)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

4.3 Natural Gas Boilers 1S and 2S (NSPS Dc)

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Two (2) 31.4 mmBtu/hr Natural Gas Fired Boilers with Distillate Fuel Oil Backup (B-1S, B-2S)	PM, SO <sub>2</sub> , CO, HAP	February 1994	N/A	None	None

**2. Applicable Requirements**

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act. In addition, the boilers shall comply with the applicable requirements in Section 5.1.

**a. i. Opacity Requirements**

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

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

**Monitoring**

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

**Recordkeeping**

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

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

**b. i. Carbon Monoxide Requirements (CO)**

A. Pursuant to 35 IAC 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission

source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.

ii. Compliance Method (CO Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of CO emissions from the boilers when fired with natural gas including supporting calculations (pounds/hour).

c. i. Operational and Production Requirements

- A. Pursuant to 40 CFR 60.40c(a), the boilers are subject to the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60 Subparts A and Dc, because the boilers were constructed after June 9, 1989 and have a maximum design heat input capacity of 29 megawatts (MW) (100 mmBtu/hr) or less, but greater than or equal to 2.9 MW (10 mmBtu/hr). The Permittee shall meet the applicable general provisions of 40 CFR 60 Subpart A.
- B. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas shall be the only fuel fired by the boilers.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

- A. Pursuant to 40 CFR 60.48c(g), the owner or operator of a boiler shall record fuel use as follows:
- I. Pursuant to 40 CFR 60.48c(g)(2), the owner or operator of a boiler that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO<sub>2</sub> standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of fuel combusted during each calendar month; or
- II. Pursuant to 40 CFR 60.48c(g)(3), the owner or operator of a boiler or boilers located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to 40 CFR Part 60 Subpart Dc) at the property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to demonstrate compliance with the SO<sub>2</sub> standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during any calendar month.
- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the type of fuel fired in the boilers.

d. i. Work Practice Requirements

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

ii. Compliance Method (Work Practice Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of the boilers.

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 any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

**3. Non-Applicability Determinations**

- a. Pursuant to 40 CFR 63.11195(e), the boilers are not subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Source, 40 CFR Part 63 Subparts A and JJJJJJ, because the boilers are gas-fired boilers as defined in 40 CFR 63.11237.
- b. Pursuant to 35 IAC 215.303, the provisions of 35 IAC 215.301 and 215.302 shall not apply to fuel combustion emission sources.
- c. The boilers are not subject to 35 IAC 217.141 because the heat input of the boilers are less than 250 mmBtu/hr.
- d. The boilers are not subject to 35 IAC 217 Subparts D, E, F, G, H, I, and M, because the boilers are not located in any of the areas listed in 35 IAC 217.150(a)(1)(A).
- e. The boilers are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the boilers do not use an add-on control device to achieve compliance with an emission limitation or standard.

**4. Other Requirements**

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

**5. Reporting Requirements**

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

**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 4.3.2(a)(i) through 4.3.2(f)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

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

**4.4 Natural Gas Boiler B-1SG**

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
8.37 mmBtu/hr Natural Gas Fired Boiler (B-1SG)	---	February 1994	N/A	None	None

**2. Applicable Requirements**

For the emission units in Condition 4.4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act. In addition, the boiler shall comply with the applicable requirements in Section 5.1.

**a. i. Opacity Requirements**

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

ii. Compliance Method (Opacity Requirements)

Monitoring

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

Recordkeeping

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

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

**b. i. Operational and Production Requirements**

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

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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 type of fuel fired in the boiler.

c. i. Work Practice Requirements

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

ii. Compliance Method (Work Practice Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of the boiler.

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 any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

**3. Non-Applicability Determinations**

- a. The boiler is not subject to the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60 Subparts A and Dc, because the boiler has a design heat input capacity of less than 2.9 MW (10 mmBtu/hr) pursuant to 40 CFR 60.40c(a).
- b. Pursuant to 40 CFR 63.11195(e), the boiler is not subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Source, 40 CFR Part 63 Subparts A and JJJJJJ, because the boiler is a gas-fired boiler as defined in 40 CFR 63.11237.
- c. The boiler is not subject to 35 IAC 212.206 and 35 IAC 214.161 because the boiler uses natural gas exclusively.
- d. Pursuant to 35 IAC 215.303, the provisions of 35 IAC 215.301 and 215.302 shall not apply to fuel combustion emission sources.
- e. The boiler is not subject to 35 IAC 217.141 because the heat input of the boiler is less than 250 mmBtu/hr.
- f. The boiler is not subject to 35 IAC 217 Subparts D, E, F, G, H, I, and M, because the boiler is not located in any of the areas listed in 35 IAC 217.150(a)(1)(A).
- g. The boiler is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the boiler does not use an add-on control device to achieve compliance with an emission limitation or standard.

**4. Other Requirements**

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

**5. Reporting Requirements**

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

**a. Prompt Reporting**

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

**4.5 Natural Gas Boiler B-2SG with Distillate Fuel Oil Backup**

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
8.37 mmBtu/hr Natural Gas Fired Boiler with Distillate Fuel Oil Backup (B-2SG)	PM, SO <sub>2</sub> , HAP	February 1994	N/A	None	None

**2. Applicable Requirements**

For the emission units in Condition 4.5.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act. In addition, the boiler shall comply with applicable requirements in Section 5.1.

**a. i. Opacity Requirements**

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

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

**Monitoring**

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

**Recordkeeping**

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

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

**b. i. Particulate Matter Requirements (PM)**

A. Pursuant to 35 IAC 212.206, no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period to exceed 0.10 lbs/mmBtu of particulate matter from any combustion emission unit using liquid fuel exclusively.

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ii. Compliance Method (PM Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of PM emissions from the boilers when fired with distillate fuel oil including supporting calculations (pounds/mmBtu).

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

- A. Pursuant to 35 IAC 214.122, no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion source with actual heat input smaller than or equal to 250 mmBtu/hr, burning liquid fuel exclusively to exceed 0.3 lbs/mmBtu of sulfur dioxide when distillate fuel oil.
- B. Pursuant to Section 39.5(7)(b) of the Act, the sulfur content of the distillate fuel oil shall not exceed 0.28 weight percent.

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

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the sulfur content of the distillate fuel oil (weight percent).
- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of SO<sub>2</sub> emissions from the boilers when fired with distillate fuel oil including supporting calculations (pounds/mmBtu).

d. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas or distillate fuel oil shall be the only fuels fired by the boiler.
- B. Pursuant to Section 39.5(7)(a) of the Act, the boiler shall not exceed 48 hours of periodic testing on liquid fuel during calendar year.

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 type of fuel fired in the boiler.
- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the hours of operation when fired with distillate fuel oil for the boiler (hours/month and hours/year).

e. i. Work Practice Requirements

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

ii. Compliance Method (Work Practice Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of the boiler.

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 any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

**3. Non-Applicability Determinations**

- a. The boiler is not subject to the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60 Subparts A and Dc, because the boiler has a design heat input capacity of less than 2.9 MW (10 mmBtu/hr) pursuant to 40 CFR 60.40c(a).
- b. Pursuant to 40 CFR 63.11195(e), the boiler is not subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Source, 40 CFR Part 63 Subparts A and JJJJJJ, because the boiler is a gas-fired boiler as defined in 40 CFR 63.11237.
- c. Pursuant to 35 IAC 215.303, the provisions of 35 IAC 215.301 and 215.302 shall not apply to fuel combustion emission sources.
- d. The boiler is not subject to 35 IAC 217.141 because the heat input of the boiler is less than 250 mmBtu/hr.
- e. The boiler is not subject to 35 IAC 217 Subparts D, E, F, G, H, I, and M, because the boiler is not located in any of the areas listed in 35 IAC 217.150(a)(1)(A).
- f. The boiler is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the boiler does not use an add-on control device to achieve compliance with an emission limitation or standard.

**4. Other Requirements**

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

**5. Reporting Requirements**

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

**a. Prompt Reporting**

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

I. Requirements in Conditions 4.5.2(a)(i) through 4.5.2(e)(i).

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

4.6 Natural Gas Boiler B-3S with Distillate Fuel Oil Backup (NSPS Dc)

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
29.29 mmBtu/hr Natural Gas Fired Boiler with Distillate Fuel Oil Backup (B-3S)	PM, SO <sub>2</sub> , VOM, CO, NO <sub>x</sub> , HAP	August 2002	N/A	None	None

**2. Applicable Requirements**

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

**a. i. Opacity Requirements**

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

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

**Monitoring**

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

**Recordkeeping**

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

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

**b. i. Particulate Matter Requirements (PM)**

A. Pursuant to 35 IAC 212.206, no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period to exceed 0.10 lbs/mmBtu of particulate matter from any combustion emission unit using liquid fuel exclusively.

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- B. Pursuant to Construction Permit #01080025:
  - I. PM emissions from the boiler when fired with natural gas shall not exceed 0.20 pounds/hour and 0.80 tons/year. [T1]
  - II. PM emissions from the boiler when fired with distillate fuel oil shall not exceed 0.4 pounds/hour and 0.10 tons/year. [T1]
  - III. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (PM Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of PM emissions from the boiler when fired with natural gas including supporting calculations (pounds/hour, ton/month, and ton/year).
- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of PM emissions from the boiler when fired with distillate fuel oil including supporting calculations (pounds/hour, ton/month, and ton/year).

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

- A. NSPS Standards (40 CFR 60 Subparts A and Dc)
  - I. Pursuant to 40 CFR 60.1, the provisions of 40 CFR 60 Subpart A apply to the owner or operator.
  - II. Pursuant to 40 CFR 60.42c(d), no owner or operator of a boiler that combusts oil shall combust oil in the boiler that contains greater than 0.5 weight percent sulfur.
  - III. Pursuant to 40 CFR 60.42c(i), the fuel oil sulfur limits apply at all times, including periods of startup, shutdown, and malfunction.
  - IV. Pursuant to 40 CFR 60.42c(h)(1), for distillate oil-fired boilers with heat input capacities between 10 mmBtu/hr and 100 mmBtu/hr, compliance with the fuel oil sulfur limits are determined based on a certification from the fuel supplier, as described under 40 CFR 60.48c(f).
- B. Pursuant to 35 IAC 214.122(b)(2), no person shall cause or allow the emission of sulfur dioxide into the atmosphere in any one hour period from any new fuel combustion source with actual heat input smaller than or equal to 250 mmBtu/hr, burning liquid fuel exclusively to exceed 0.3 lbs/mmBtu of sulfur dioxide when distillate fuel oil.
- C. Pursuant to Section 39.5(7)(b) of the Act, the sulfur content of the distillate fuel oil shall not exceed 0.28 weight percent.
- D. Pursuant to Construction Permit #01080025:
  - I. SO<sub>2</sub> emissions from the boiler when fired with natural gas shall not exceed 0.01 pounds/hour and 0.10 tons/year. [T1]
  - II. SO<sub>2</sub> emissions from the boiler when fired with distillate fuel oil shall not exceed 1.5 pounds/hour and 0.40 tons/year. [T1]

III. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

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

Testing

A. Pursuant to 40 CFR 60.44c(h), for boilers subject to 40 CFR 60.42c(h)(1) where the owner or operator seeks to demonstrate compliance with the SO<sub>2</sub> standards based on fuel supplier certification, the performance test shall consist of the certification from the fuel supplier, as described in 40 CFR 60.48c(f).

Recordkeeping

B. Pursuant to 40 CFR 60.48c(e) and (f), the owner or operator of each boiler subject to the fuel oil sulfur limits under 40 CFR 60.42c shall keep records and submit reports as required under 40 CFR 60.48c(d), including the following information:

I. Calendar dates covered in the reporting period.

II. Fuel supplier certification including the following information:

1. The name of the oil supplier.

2. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c.

3. The sulfur content or maximum sulfur content of the oil.

III. A certified statement signed by the owner or operator of the boiler that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

C. Pursuant to 40 CFR 60.48c(g), the owner or operator of a boiler shall record fuel use as follows:

I. Pursuant to 40 CFR 60.48c(g)(2), the owner or operator of a boiler that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO<sub>2</sub> standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of fuel combusted during each calendar month; or

II. Pursuant to 40 CFR 60.48c(g)(3), the owner or operator of a boiler or boilers located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to 40 CFR Part 60 Subpart Dc) at the property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to demonstrate compliance with the SO<sub>2</sub> standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during any calendar month.

D. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the sulfur content of the distillate fuel oil (weight percent).

- E. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of SO<sub>2</sub> emissions from the boiler when fired with natural gas including supporting calculations (pounds/hour, ton/month, and ton/year).
- F. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of SO<sub>2</sub> emissions from the boiler when fired with distillate fuel oil including supporting calculations (pounds/hour, ton/month, and ton/year).

d. i. **Volatile Organic Material Requirements (VOM)**

- A. Pursuant to Construction Permit #01080025:
  - I. VOM emissions from the boiler when fired with natural gas shall not exceed 0.10 pounds/hour and 0.60 tons/year. [T1]
  - II. VOM emissions from the boiler when fired with distillate fuel oil shall not exceed 0.1 pounds/hour and 0.01 tons/year. [T1]
  - III. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (VOM Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of VOM emissions from the boiler when fired with natural gas including supporting calculations (pounds/hour, ton/month, and ton/year).
- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of VOM emissions from the boiler when fired with distillate fuel oil including supporting calculations (pounds/hour, ton/month, and ton/year).

e. i. **Carbon Monoxide Requirements (CO)**

- A. Pursuant to 35 IAC 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.
- B. Pursuant to Construction Permit #01080025:
  - I. CO emissions from the boiler when fired with natural gas shall not exceed 2.00 pounds/hour and 8.60 tons/year. [T1]
  - II. CO emissions from the boiler when fired with distillate fuel oil shall not exceed 1.1 pounds/hour and 0.30 tons/year. [T1]
  - III. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (CO Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of CO emissions from the boiler when fired with natural gas including supporting calculations (pounds/hour, ton/month, and ton/year).

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of CO emissions from the boiler when fired with distillate fuel oil including supporting calculations (pounds/hour, ton/month, and ton/year).

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

- A. Pursuant to Construction Permit #01080025:
  - I. NO<sub>x</sub> emissions from the boiler when fired with natural gas shall not exceed 2.30 pounds/hour and 10.30 tons/year. [T1]
  - II. NO<sub>x</sub> emissions from the boiler when fired with distillate fuel oil shall not exceed 4.2 pounds/hour and 1.10 tons/year. [T1]
  - III. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

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

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of NO<sub>x</sub> emissions from the boiler when fired with natural gas including supporting calculations (pounds/hour, ton/month, and ton/year).
- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of NO<sub>x</sub> emissions from the boiler when fired with distillate fuel oil including supporting calculations (pounds/hour, ton/month, and ton/year).

g. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas or distillate fuel oil shall be the only fuels fired by the boiler.
- B. Pursuant to Section 39.5(7)(a) of the Act, the boiler shall not exceed 48 hours of periodic testing on liquid fuel during a calendar year.
- C. Pursuant to Construction Permit #01080025:
  - I. Natural gas usage from the boiler shall not exceed 17.5 mmscf/month and 205.3 mmscf/year. [T1]
  - II. Distillate fuel oil usage from the boiler shall not exceed 105,000 gallons/month and 105,000 gallons/year. [T1]
  - III. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]
- D. Pursuant to Construction Permit #01080025, the sulfur content of the distillate oil fired in the boiler shall not exceed 0.05 percent by weight. [T1]

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 type of fuels fired in the boiler.

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the hours of operation when fired with distillate fuel oil for the boiler (hours/month and hours/year).
- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the natural gas usage from the boiler including supporting calculations (mmscf/month and mmscf/year).
- D. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the distillate fuel oil usage from the boiler including supporting calculations (gallons/month and gallons/year).
- E. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the sulfur content of distillate oil (percent by weight).

**h. i. Work Practice Requirements**

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

**ii. Compliance Method (Work Practice Requirements)**

**Monitoring**

- A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of the boiler.

**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 any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

**3. Non-Applicability Determinations**

- a. Pursuant to 40 CFR 63.11195(e), the boiler is not subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Source, 40 CFR Part 63 Subparts A and JJJJJJ, because the boiler is a gas-fired boiler as defined in 40 CFR 63.11237.
- b. Pursuant to 35 IAC 215.303, the provisions of 35 IAC 215.301 and 215.302 shall not apply to fuel combustion emission sources.
- c. The boiler is not subject to 35 IAC 217.141 because the heat input of the boiler is less than 250 mmBtu/hr.
- d. The boiler is not subject to 35 IAC 217 Subparts D, E, F, G, H, I, and M, because the boiler is not located in any of the areas listed in 35 IAC 217.150(a)(1)(A).
- e. The boiler is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the boiler does not use an add-on control device to achieve compliance with an emission limitation or standard.

**4. Other Requirements**

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

**5. Reporting Requirements**

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

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.6.2(a)(i) through 4.6.2(h)(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**

Pursuant to 40 CFR 60.48c(j), as part of the Semiannual Monitoring Reports required by Condition 3.5(b), the owner or operator shall submit the reports as identified in Condition 4.6.2(c)(ii)(B).

**4.7 Natural Gas Boiler B-1PS**

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
8.37 mmBtu/hr Natural Gas Fired Boiler (B-1PS)	NO <sub>x</sub>	January 2000	N/A	None	None

**2. Applicable Requirements**

For the emission units in Condition 4.7.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act. In addition, the boiler shall comply with applicable requirements in Section 5.1.

**a. i. Opacity Requirements**

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

ii. Compliance Method (Opacity Requirements)

Monitoring

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

Recordkeeping

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

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

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

A. Pursuant to Construction Permit #99110094, NO<sub>x</sub> emissions from the boiler shall not exceed 0.36 tons/month and 4.29 tons/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).  
[T1]

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

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of NO<sub>x</sub> emissions from the boiler including supporting calculations (ton/month and ton/year).

c. i. Operational and Production Requirements

- A. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas shall be the only fuel fired by the boiler.
- B. Pursuant to Construction Permit #99110094, natural gas usage from the boiler shall not exceed 6 mmscf/month and 70 mmscf/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

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 type of fuel fired in the boiler.
- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the natural gas usage from the boiler including supporting calculations (mmscf/month and mmscf/year).

d. i. Work Practice Requirements

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

ii. Compliance Method (Work Practice Requirements)

Monitoring

- A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of the boiler.

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 any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

**3. Non-Applicability Determinations**

- a. The boiler is not subject to the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60 Subparts A and Dc, because the boiler has a design heat input capacity of less than 2.9 MW (10 mmBtu/hr) pursuant to 40 CFR 60.40c(a).

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- b. Pursuant to 40 CFR 63.11195(e), the boiler is not subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Source, 40 CFR Part 63 Subparts A and JJJJJJ, because the boiler is a gas-fired boiler as defined in 40 CFR 63.11237.
- c. The boiler is not subject to 35 IAC 212.206 and 35 IAC 214.161 because the boiler uses natural gas exclusively.
- d. Pursuant to 35 IAC 215.303, the provisions of 35 IAC 215.301 and 215.302 shall not apply to fuel combustion emission sources.
- e. The boiler is not subject to 35 IAC 217.141 because the heat input of the boiler is less than 250 mmBtu/hr.
- f. The boiler is not subject to 35 IAC 217 Subparts D, E, F, G, H, I, and M, because the boiler is not located in any of the areas listed in 35 IAC 217.150(a)(1)(A).
- g. The boiler is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the boiler does not use an add-on control device to achieve compliance with an emission limitation or standard.

#### **4. Other Requirements**

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

#### **5. Reporting Requirements**

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

##### **a. 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 4.7.2(a)(i) through 4.7.2(d)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. 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.

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4.8 Natural Gas Boilers B-2PS and B-3SG (NSPS Dc)

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
14.6 mmBtu/hr Natural Gas Fired Boiler (B-2PS)	PM, SO <sub>2</sub> , VOM, CO, NO <sub>x</sub> , HAPs	April 2010	N/A	None	None
32.7 mmBtu/hr Natural Gas Fired Boiler (B-3SG)	PM, SO <sub>2</sub> , VOM, CO, NO <sub>x</sub> , HAPs	April 2010	N/A	None	None

**2. Applicable Requirements**

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

**a. i. Opacity Requirements**

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

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

**Monitoring**

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

**Recordkeeping**

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

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

**b. i. Particulate Matter Requirements (PM)**

A. Pursuant to Construction Permit #10030016:

I. Hourly PM/PM<sub>10</sub>/PM<sub>2.5</sub> emissions from boiler B-2PS shall not exceed 0.1 pounds/hour. [T1]

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- II. Hourly PM/PM<sub>10</sub>/PM<sub>2.5</sub> emissions from boiler B-3SG shall not exceed 0.3 pounds/hour. [T1]
- III. Annual PM/PM<sub>10</sub>/PM<sub>2.5</sub> emissions from the boilers combined shall not exceed 2.1 tons/year. [T1]
- IV. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (PM Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of PM/PM<sub>10</sub>/PM<sub>2.5</sub> emissions from the boilers including supporting calculations (pounds/hour, ton/month, and ton/year).

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

- A. Pursuant to Construction Permit #10030016, SO<sub>2</sub> emissions from each boiler shall not exceed 0.1 pounds/hour and 0.4 tons/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

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

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of SO<sub>2</sub> emissions from the boilers including supporting calculations (pounds/hour, ton/month, and ton/year).

d. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to Construction Permit #10030016:

- I. Hourly VOM emissions from each boiler shall not exceed 0.1 pounds/hour. [T1]
- II. Annual VOM emissions from the boilers combined shall not exceed 0.8 tons/year. [T1]
- III. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (VOM Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of VOM emissions from the boilers including supporting calculations (pounds/hour, ton/month, and ton/year).

e. i. Carbon Monoxide Requirements (CO)

- A. Pursuant to 35 IAC 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission

source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.

B. Pursuant to Construction Permit #10030016:

- I. Hourly CO emissions from boiler B-2PS shall not exceed 1.7 pounds/hour. [T1]
- II. Hourly CO emissions from boiler B-3SG shall not exceed 3.6 pounds/hour. [T1]
- III. Annual CO emissions from the boilers combined shall not exceed 22.8 tons/year. [T1]
- IV. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (CO Requirements)

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of CO emissions from the boilers including supporting calculations (pounds/hour, ton/month, and ton/year).

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

A. Pursuant to Construction Permit #10030016:

- I. Hourly NO<sub>x</sub> emissions from boiler B-2PS shall not exceed 0.5 pounds/hour. [T1]
- II. Hourly NO<sub>x</sub> emissions from boiler B-3SG shall not exceed 1.2 pounds/hour. [T1]
- III. Annual NO<sub>x</sub> emissions from the boilers combined shall not exceed 7.3 tons/year. [T1]
- IV. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

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

Recordkeeping

- A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of NO<sub>x</sub> emissions from the boilers including supporting calculations (pounds/hour, ton/month, and ton/year).

g. i. Hazardous Air Pollutant Requirements (HAP)

A. Pursuant to Construction Permit #10030016:

- I. Hourly individual HAP emissions from each boiler shall not exceed 0.05 pounds/hour. [T1]
- II. Hourly total HAP emissions from each boiler shall not exceed 0.1 pounds/hour. [T1]

- III. Annual individual HAP emissions from the boilers combined shall not exceed 0.4 tons/year. [T1]
- IV. Annual total HAP emissions from the boilers combined shall not exceed 0.8 tons/year. [T1]
- V. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (HAP Requirements)

Recordkeeping

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

h. i. Operational and Production Requirements

- A. Pursuant to 40 CFR 60.40c(a), the boilers are subject to the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60 Subparts A and Dc, because the boilers were constructed after June 9, 1989 and have a maximum design heat input capacity of 29 megawatts (MW) (100 mmBtu/hr) or less, but greater than or equal to 2.9 MW (10 mmBtu/hr). The Permittee shall meet the applicable general provisions of 40 CFR 60 Subpart A.
- B. Pursuant to Section 39.5(7)(a) of the Act, pipeline quality natural gas shall be the only fuel fired by each boiler.
- C. Pursuant to Construction Permit #10030016, the rated heat input capacity of boiler B-2PS and boiler B-3SG shall not exceed 15mmBtu/hour and 33 mmBtu/hour, respectively. [T1]
- D. Pursuant to Construction Permit #10030016, natural gas usage from the boilers combined shall not exceed 406.2 mmscf/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

- A. Pursuant to 40 CFR 60.48c(g), the owner or operator of a boiler shall record fuel use as follows:
  - I. Pursuant to 40 CFR 60.48c(g)(2), the owner or operator of a boiler that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO<sub>2</sub> standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of fuel combusted during each calendar month; or
  - II. Pursuant to 40 CFR 60.48c(g)(3), the owner or operator of a boiler or boilers located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to 40 CFR Part 60 Subpart Dc) at the property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to

demonstrate compliance with the SO<sub>2</sub> standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during any calendar month.

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the maximum heat input capacity of each boiler with supporting documentation (mmBtu/hour).
- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the natural gas usage from the boilers including supporting calculations (mmscf/month and mmscf/year).

**i. i. Work Practice Requirements**

- A. Pursuant to 40 CFR 60.11(d), at all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any boiler including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

**ii. Compliance Method (Work Practice Requirements)**

**Monitoring**

- A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of each boiler.

**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 any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

**3. Non-Applicability Determinations**

- a. Pursuant to 40 CFR 63.11195(e), the boilers are not subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Source, 40 CFR Part 63 Subparts A and JJJJJJ, because the boilers are gas-fired boilers as defined in 40 CFR 63.11237.
- b. The boilers are not subject to 35 IAC 212.206 and 35 IAC 214.161 because the boilers use natural gas exclusively.
- c. Pursuant to 35 IAC 215.303, the provisions of 35 IAC 215.301 and 215.302 shall not apply to fuel combustion emission sources.
- d. The boilers are not subject to 35 IAC 217.141 because the heat input of the boilers are less than 250 mmBtu/hr.
- e. The boilers are not subject to 35 IAC 217 Subparts D, E, F, G, H, I, and M, because the boilers are not located in any of the areas listed in 35 IAC 217.150(a)(1)(A).
- f. The boilers are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the boilers do not use an add-on control device to achieve compliance with an emission limitation or standard.

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**4. Other Requirements**

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

**5. Reporting Requirements**

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

**a. Prompt Reporting**

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

## Section 5 - Additional Title I Requirements

## 1. Construction Permits

## a. Construction Permit #99110094 [T1]

i. Emission Units and Operations

<i>Section</i>	<i>Emission Units</i>	<i>Pollutants Being Regulated</i>
4.3	Two (2) 31.4 mmBtu/hr Natural Gas Fired Boilers (B-1S, B-2S)	PM, SO <sub>2</sub> , CO, HAP
4.4	8.37 mmBtu/hr Natural Gas Fired Boiler (B-1SG)	---
4.5	8.37 mmBtu/hr Natural Gas Fired Boiler with Distillate Fuel Oil Backup (B-2SG)	PM, SO <sub>2</sub> , HAP
4.7	8.37 mmBtu/hr Natural Gas Fired Boiler (B-1PS)	NO <sub>x</sub>

ii. Applicable Requirements

In addition to the requirements in Section 4 of this permit for the emission units in Condition 5.1(a)(i) above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act. The emission limits below apply to boilers listed in Section 5.1(a)(i).

## A. Pursuant to Construction Permit #99110094:

- I. NO<sub>x</sub> emissions from the boilers and heaters (site-wide) combined when fired with distillate fuel oil shall not exceed 3.45 tons/month and 8.3 tons/year. [T1]
- II. NO<sub>x</sub> emissions from the boilers and heaters (site-wide) combined when fired with natural gas shall not exceed 2.69 tons/month and 23.2 tons/year. [T1]
- III. Distillate fuel oil usage from the boilers combined shall not exceed 345,000 gallons/month and 830,000 gallons/year. [T1]
- IV. Natural Gas usage from the boilers combined shall not exceed 52 mmscf/month and 596 mmscf/year. [T1]
- V. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

Compliance Method

- VI. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of NO<sub>x</sub> emissions from the boilers when fired with distillate fuel oil including supporting calculations (ton/month, and ton/year).
- VII. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of NO<sub>x</sub> emissions from the boilers when fired with natural gas including supporting calculations (ton/month, and ton/year).
- VIII. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the distillate fuel oil usage from the boilers including supporting calculations (gallons/month and gallons/year).

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- IX. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the natural gas usage from the boilers including supporting calculations (mmscf/month and mmscf/year).

**b. 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.

i. Prompt Reporting

- A. I. 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:
- Requirements in Condition 5.1(a)(ii)(A), as applicable to the boilers listed in Section 5.1(a)(i).
- II. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- B. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).
- C. The deviation reports shall contain at a minimum the following information:
- I. Date and time of the deviation.
- II. Emission unit(s) and/or operation involved.
- III. The duration of the event.
- IV. Probable cause of the deviation.
- V. Corrective actions or preventative measures taken.

## Section 6 - Insignificant Activities Requirements

### 1. Insignificant Activities Subject to Specific Regulations

This condition is reserved for insignificant activities as defined in 35 IAC 201.210 and 201.211 which are subject to specific standards promulgated pursuant Sections 111, 112, 165, or 173 of the Clean Air Act, see Sections 9.1(d) and 39.5(6)(a) of the Act. As of the date of issuance of this permit, there are no such insignificant activities present at the source.

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

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

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Direct combustion units used for comfort heating and fuel combustion emission units as further detailed in 35 IAC 201.210(a)(4).	22	35 IAC 201.210(a)(4)
Storage tanks of organic liquids with a capacity of less than 10,000 gallons and an annual throughput of less than 100,000 gallons provided the tank is not used for the storage of gasoline or any material listed as a hazardous air pollutant pursuant to Section 112(b) of the Clean Air Act.	3	35 IAC 201.210(a)(10)
Storage tanks of virgin or rerefined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil.	6	35 IAC 201.210(a)(11)
Gas turbines and stationary reciprocating internal combustion engines < 112 kW (150 HP). (1 NPS)	1	35 IAC 201.210(a)(15)
Gas Turbines and Engines between 112 KW and 1,118 KW (150 and 1,500 HP) that are emergency or standby units. (1S)	1	35 IAC 201.210(a)(16)

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

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

### 4. Applicable Requirements

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

- a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).
- b. Pursuant to 35 IAC 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.
- c. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.

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- d. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gallons, unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the IEPA according to 35 IAC Part 201 or unless such tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2). Exception as provided in 35 IAC 215.122(c): If no odor nuisance exists the limitations of 35 IAC 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.

**5. Compliance Method**

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

- a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed.
- b. Potential to emit emission calculations before any air pollution control device for each insignificant activity that is subject to emissions limits in 35 IAC 201.210(a) or emissions limits as approved by IEPA pursuant to 35 IAC 201.211.

**6. Notification Requirements for Insignificant Activities**

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

**a. Notification 7 Days in Advance**

- i. Pursuant to 35 IAC 201.212(b), 35 IAC 201.146(kkk), and Sections 39.5(12)(a) and (b) of the Act; for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. A construction permit is not required. Addresses are included in Attachment 3. The notification shall include the following pursuant to 35 IAC 201.211(b):
  - A. A description of the emission unit including the function and expected operating schedule of the unit.
  - B. A description of any air pollution control equipment or control measures associated with the emission unit.
  - C. The emissions of regulated air pollutants in lb/hr and ton/yr.
  - D. The means by which emissions were determined or estimated.
  - E. The estimated number of such emission units at the source.
  - F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.
- ii. Pursuant to 35 IAC 201.212(b), 35 IAC 201.146(kkk), and Sections 39.5(12)(a) and (b) of the Act; for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(2) through 201.210(a)(18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. A construction permit is not required. Addresses are included in Attachment 3.
- iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any change made in Condition 6.6(a) above.

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**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) or 201.211 and is currently identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit. A construction permit is not required.

**c. Notification Not Required**

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

## Section 7 - Other Requirements

### 1. Testing

- a. Pursuant to Section 39.5(7)(a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 3. This protocol shall describe the specific procedures for testing, including as a minimum:
  - i. The name and identification of the emission unit(s) being tested.
  - ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.
  - iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.
  - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.
  - v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
  - vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.
  - vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - ix. Sampling of materials, QA/QC procedures, inspections, etc.
- b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.7(a) of the Act as follows:
  - i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.
  - ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.
- c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but

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no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.7(a) of the Act. The Final Report shall include as a minimum:

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

**2. Startup Requirements**

**a. Startup Provisions**

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to operate in violation of the applicable requirements (as referenced in Section 4.1.4(a) of this CAAPP permit) during startup. The source has applied for such authorization in its application, generally describing the efforts that will be used "...to minimize startup emissions, duration of individual starts, and frequency of startups." As provided by 35 IAC 201.265, authorization in this CAAPP permit for excess emissions during startup does not shield the source from enforcement for any violation of applicable emission standard(s) that occurs during startup and only constitutes a prima facie defense to such an enforcement action provided that the source has fully complied with all terms and conditions connected with such authorization.

- i. This authorization does not relieve the source from the continuing obligation to demonstrate that all reasonable efforts are made to minimize startup emissions, duration of individual starts, and frequency of startups.
- ii. The source shall conduct startups in accordance with written startup procedures prepared by the source and maintained at the source, that are specifically developed to minimize startup emissions, duration of individual starts, and frequency of startups.

**b. Monitoring - Recordkeeping**

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

- i. A copy of the most recent startup procedures that contains at a minimum:
  - A. Estimates of excess emissions for opacity 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 Section 3 of this CAAPP permit). If not achieved, an explanation why normal operation was not achieved in the allowed duration.
  - D. An explanation of whether emissions during the startup exceeded the estimates in the startup procedures and whether emissions exceeded any applicable standard or limit not authorized to be violated during startup.

**c. Monitoring - Reporting**

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

**i. Prompt Reporting**

A Deviation Report shall be submitted to the IEPA, Compliance Section (addresses are included Attachment 3 within five (10) days if a startup exceeded the emission

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

ii. Semiannual Reporting

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

**Section 8 - State Only Requirements**

**1. Permitted Emissions for Fees**

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

<i>Pollutant</i>		<i>Tons/Year</i>
Volatile Organic Material	(VOM)	5.96
Sulfur Dioxide	(SO <sub>2</sub> )	13.86
Particulate Matter	(PM)	5.45
Nitrogen Oxides	(NO <sub>x</sub> )	126.15
HAP, not included in VOM or PM	(HAP)	-
Total		151.42

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

<i>Section</i>	<i>Emission Units</i>	<i>Description</i>
4.1	Engines EG-1N, EG-2N, EG-3N	Three (3) 15.892 mmBtu/hr Distillate Fuel Oil Fired Engines
4.2	Engines EG-C1, EG-C2, EG-CD, EG-D1, EG-D2	Five (5) 7.7 mmBtu/hr Distillate Fuel Oil Fired Engines
4.3	Boilers B-1S, B-2S	Two (2) 31.4 mmBtu/hr Natural Gas Fired Boilers
4.4	Boiler B-1SG	8.37 mmBtu/hr Natural Gas Fired Boiler
4.5	Boiler B-2SG	8.37 mmBtu/hr Natural Gas Fired Boiler with Distillate Fuel Oil Backup
4.6	Boiler B-3S	29.29 mmBtu/hr Natural Gas Fired Boiler with Distillate Fuel Oil Backup
4.7	Boiler B-1PS	8.37 mmBtu/hr Natural Gas Fired Boiler
4.8	Boiler B-2PS	14.6 mmBtu/hr Natural Gas Fired Boiler
4.8	Boiler B-3SG	32.7 mmBtu/hr Natural Gas Fired Boiler

## Attachment 2 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment trading unit
BACT	Best Available Control Technology
BAT	Best Available Technology
BTU	British Thermal Units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
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 <sub>2</sub> S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
KW	Kilowatts
LAER	Lowest Achievable Emission Rate
lb	Pound

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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 <sub>x</sub>	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PM	Particulate matter
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
PM <sub>2.5</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential to emit
RACT	Reasonable Available Control Technology
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material

Attachment 3 - Contact and Reporting Addresses

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

**Attachment 4 - Example Certification by a Responsible Official**

<b>SIGNATURE BLOCK</b>	
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

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