DRAFT/PROPOSED CAAPP PERMIT
11/04/2026

Attention:
Ameren Missouri
Attn: Michael Hutcheson
1901 Chouteau Avenue
PO Box 66149 (MC 602)
St. Louis, MO 63116

State of Illinois

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

[Title V Permit]

Source:
Ameren Missouri Pinckneyville Energy Center
4646 White Walnut Rd.
Pinckneyville, IL 62274

I.D. No.: 145842AAA
Permit No.: 01050020

Permitting Authority:
Illinois Environmental Protection Agency
Bureau of Air, Permit Section
217-785-1705

Illinois Environmental Protection Agency
2520 West Iles Avenue • P.O. Box 19276 • Springfield, Illinois • 62794-9276 • 217-782-3397

JB Pritzker, Governor **James Jennings**, Director

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

[Title V Permit]

Type of Application:	Renewal
Purpose of Application:	Renew Existing CAAPP Permit for Five Years
Source ID No.:	145842AAA
Permit No.:	01050020
Date Application Received:	August 29, 2024
Date Issued:	TBD
Expiration Date:	TBD
Renewal Submittal Date:	9 Months Prior to TBD
Source Name:	Ameren Missouri Pinckneyville Energy Center
Address:	4646 White Walnut Rd.
City:	Pinckneyville
County:	Perry
ZIP Code:	62274

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 2.2(g).

If you have any questions concerning this permit, please contact Mert Nacir at 217-785-1705.

William D. Marr
Manager, Permit Section
Bureau of Air

WDM:RTH:MKN:tan

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

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Section 1 – Source Information

1. Addresses

Source
Ameren Missouri Pinckneyville Energy Center
4646 White Walnut Rd.
Pinckneyville, IL 62274

Owner
Ameren Missouri
1901 Chouteau Avenue, PO Box 66149, MC 602
St. Louis, MO 63116

Operator
Ameren Missouri
1901 Chouteau Avenue, PO Box 66149, MC 602
St. Louis, MO 63116

Permittee
The Owner

2. Contacts

Certified Officials

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

	Name	*Title*
Responsible Official	Ajay K. Arora	Senior Vice President and Chief Renewable Development Officer
Delegated Authority	Jeffrey W. Moore	Director, CTG & Renewable Operations
Delegated Authority	Craig J. Giesmann	Director, Environmental Services

Other Contacts

	Name	*Phone No.*	*Email*
Source Contact	Stacy Allen	573-808-3033	Sallen6@ameren.com
Technical Contact	Stacy Allen	573-808-3033	Sallen6@ameren.com
Correspondence	Michael J. Hutcheson	314-554-2319	mhutcheson@ameren.com
Billing	Stacy Allen	573-808-3033	Sallen6@ameren.com

3. Single Source

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

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

Section 2 – General Permit Requirements

1. Prohibitions

a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]

b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]

c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]

d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

2. General Provisions

a. <u>Duty to Comply</u>

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. <u>Need to Halt or Reduce Activity is not a Defense</u>

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. <u>Duty to Maintain Equipment</u>

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. <u>Disposal Operations</u>

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. Fee payment shall be made either electronically at https://magic.collectorsolutions.com/magic-ui/Login/illinois-epa or by check or money order payable to "Illinois Environmental Protection Agency" and sent to: Fiscal Services #2, 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, 39.5(7)(a), and 39.5(7)(p)(ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

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

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

iv. Sample or monitor any substances or parameters at any location at reasonable times:

A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or

B. As otherwise authorized by the Act.

v. Enter and utilize any recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

g. Effect of Permit

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

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

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

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

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

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

h. Severability Clause

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

i. Operational Flexibility

Note: Also see Sections 39.5(13) and 39.5(14) of the Act, which address CAAPP permit revisions.

i. Pursuant to Section 39.5(12)(a) of the Act, the Permittee may make changes at the source without requiring a prior permit revision, consistent with the following, so long as the changes are not modifications under any provision of Title I of the Clean Air Act and they do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions), provided that the Permittee provides USEPA and the Illinois EPA with written notification as required below in advance of the proposed changes, which shall be a minimum of 7 days, unless otherwise provided by the Illinois EPA in applicable regulations regarding emergencies. The Permittee shall attach such notice to its copy of the relevant permit.

A. The Permittee may make Section 502(b)(10) of the Clean Air Act changes without a permit revision, if the changes are not modifications under any provision of Title I of the Clean Air Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions).

I. For each such change, the written notification required above shall include:

1. A brief description of the change.

2. The date on which the change will occur.

3. Any change in emissions.

4. Any permit term or condition that is no longer applicable as a result of the change.

II. The permit shield described in Section 39.5(7)(j) of the Act, addressed by Section 2.6 of this CAAPP permit, shall not apply to any change made pursuant to this condition.

ii. Pursuant to Section 39.5(12)(b) of the Act, the Permittee may make changes that are not addressed or prohibited by this CAAPP permit, other than those which are subject to any requirements under Title IV of the Clean Air Act or are modifications under any provisions of Title I of the Clean Air Act, without a permit revision, in accordance with the following requirements:

A. Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition.

B. The Permittee must provide contemporaneous written notice to the Illinois EPA and USEPA of each such change, except for changes that qualify as insignificant under 35 IAC 201.210. Such written notice shall include:

I. A description of each such change.

II. The date of each such change.

III. A description of any change in emissions.

IV. A list of pollutants emitted.

V. A list of any applicable requirement that would apply as a result of the change.

C. The change shall not qualify for the permit shield described in Section 39.5(7)(j) of the Act, addressed by Section 2.6 of this CAAPP permit.

D. The Permittee shall keep a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable Clean Air Act requirement, but not otherwise regulated under this CAAPP permit, and the emissions resulting from those changes.

3. Testing

a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of any tests conducted as required by this permit or as the result of a request by the IEPA shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7)(a) of the Act]

b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:

i. Testing by Owner or Operator: The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the

direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.

ii. Testing by the IEPA: The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

4. Recordkeeping

a. Control Equipment Maintenance Records

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

b. Retention of Records

i. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7)(e)(ii) of the Act]

ii. Pursuant to Section 39.5(7)(a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

c. Availability of Records

i. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.

ii. Pursuant to Section 39.5(7)(a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of requested material would make this overly burdensome, in which case, the Permittee shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.8(d))

5. 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 the IEPA Compliance Section. Address is 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 2.5(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.

6. Permit Shield

a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.6(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 _TBD_ (date USEPA notice started for the Renewal CAAPP Permit), unless this permit has been modified to reflect such new requirements.

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

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

7. 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 "T1R".

   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 "T1N".

   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.

8. Reopening and Revising Permit

a. Permit Actions

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

b. Reopening and Revision

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

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

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

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

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

c. Inaccurate Application

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

d. Duty to Provide Information

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

9. 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]

10. 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]

11. Permanent Shutdown

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

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. i. Fugitive Particulate Matter

A. 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)

A. Pursuant to Section 39.5(7)(b) of the Act, upon request by the Illinois EPA, 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 a 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 Illinois EPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations, including identity of the observer, the date and time of observations, the location(s) from which observations were made, and duration of any fugitive emissions event(s).

b. Ozone Depleting Substances

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

i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.

ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.

iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.

iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.

v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

c. Asbestos Demolition and Renovation

i. Asbestos Fees. Pursuant to Section 9.13(a) of the Act, for any site for which the Owner or Operator must file an original 10-day notice of intent to renovate or demolish pursuant to Condition 3.1(c)(ii) below and 40 CFR 61.145(b), the owner or operator shall pay to the IEPA with the filing of each 10-day notice a fee of $150.

ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).

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

d. i. Acid Rain Requirements

A. Applicability:

Under Title IV of the CAA, Acid Deposition Control, this source is an affected source and the following emission units at the source are affected units for acid deposition:

CT01-CT08

Note: Title IV of the CAA, and other laws and regulations promulgated thereunder, establish requirements for affected sources related to control of emissions of pollutants that contribute to acid rain. For purposes of this permit, these requirements are referred to as Title IV provisions.

B. Applicable Emission Requirements:

Pursuant to Sections 39.5(7)(g) and (17)(l) of the Act, the owners and operators of the source shall not violate applicable Title IV provisions. SO_2 emissions of the affected units shall not exceed any allowances that the source lawfully holds under Title IV provisions. []

Note: Affected sources must hold SO_2 allowances to account for the SO_2 emissions from affected units at the source that are subject to Title IV provisions. Each allowance is a limited authorization to emit up to one ton of SO_2 emissions during or after a specified calendar year. The possession of allowances does not authorize exceedances of applicable emission standards or violations of ambient air quality standards.

C. Acid Rain Permit:

Pursuant to Section 39.5(17)(l) of the Act, the owners and operators of the source shall comply with the terms and conditions of the source's Acid Rain permit.

Note: The source is subject to an Acid Rain permit, which was issued pursuant to Title IV provisions, including Section 39.5(17) of the Act. Affected sources must be operated in compliance with their Acid Rain permit. This source's Acid Rain permit is incorporated by reference into this permit and a copy of the current Acid Rain permit is included in Section 7.3. Revisions and modifications of this Acid Rain permit, including administrative amendments and automatic amendments (pursuant to Sections 408(b) and 403(d) of the CAA or regulations thereunder) are governed by Title IV provisions, as provided by Section 39.5(13)(e) of the Act. Accordingly, revision or renewal of the Acid Rain permit may be handled separately from this

CAAPP permit and a copy of the new Acid Rain permit may be included in this permit by administrative amendment.

D. Coordination with Other Requirements:

Pursuant to Section 39.5(17)(h) of the Act, this permit does not contain any conditions that are intended to interfere with or modify the requirements of Title IV provisions. In particular, this permit does not restrict the flexibility under Title IV provisions of the owners and operators of this source to amend their Acid Rain compliance plan.

Pursuant to Section 39.5(7)(h) of the Act, where another applicable requirement of the CAA is more stringent than an applicable requirement of Title IV provisions, both requirements are incorporated into this permit and are enforceable and the owners and operators of the source shall comply with both requirements.

ii. Compliance Method (Acid Rain)

Monitoring, Recordkeeping and Reporting

A. Pursuant to Section 39.5(7)(b) of the Act, the owners and operators of the source and, to the extent applicable, their designated representative, shall comply with applicable requirements for monitoring, recordkeeping and reporting specified by Title IV provisions, including 40 CFR Part 75.

Note: The following emission determination methods will be used for the affected units at this source.

NO_X: Continuous Emissions Monitoring (40 CFR 75.12)
SO_2: Continuous Emissions Monitoring (40 CFR 75.11)
O_2/CO_2: Continuous Monitoring for Oxygen or Carbon Dioxide (40 CFR Part 75.13)

e. Cross-State Air Pollution Rule (CSAPR)

The USEPA issued the Cross-State Air Pollution Rule (CSAPR), also known as the Transport Rule (TR), to address Section 110(a)(2)(D)(i)(I) of the Clean Air Act (CAA), referred to as the "Good Neighbor" provision. CSAPR replaced the Clean Air Interstate Rule (CAIR) and was designed to limit the interstate transport of NO_X and SO_2 emissions. The source meets the definition of a CSAPR NO_X Annual source, a CSAPR SO_2 Group 1 source, and a CSAPR NO_X Ozone Season Group 2 source, as defined in 40 CFR 97.402, 40 CFR 97.602, and 40 CFR 97.802, respectively. See CSAPR requirements in Section 7.4.

f. 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 2.5(a). This permit may also have to be revised or reopened to address such new regulations in accordance with Condition 2.8.

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. In the event that the IEPA notifies the Permittee of a deficiency with any Fugitive PM Operating Program, the Permittee shall be required to revise and resubmit the Fugitive PM Operating Program within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

b. PM_{10} Contingency Measure Plan

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

c. Episode Action Plan

i. Pursuant to 35 IAC 244.141, the Permittee shall have on file with the IEPA an Episode Action Plan for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The Episode Action Plan shall contain the information specified in 35 IAC 244.144.

ii. The Permittee shall immediately implement the appropriate steps described in the Episode Action Plan should an air pollution alert or emergency be declared, as required by 35 IAC 244.169, or as may otherwise be required under 35 IAC 244, Appendix D.

iii. Pursuant to 35 IAC 244.143(d), if an operational change occurs at the source which invalidates the Episode Action Plan, a revised Episode Action Plan shall be submitted to the IEPA for review within 30 days of the change and is automatically incorporated by reference. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Episode Action Plan, the Permittee shall be required to revise and resubmit the Episode Action Plan within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

iv. The Episode Action Plan, as submitted by the Permittee on August 29, 2024, is incorporated herein by reference. The document constitutes the formal Episode Action Plan required by 35 IAC 244.142, addressing the actions that will be implemented to reduce SO_2, PM_{10}, NO_2, CO and VOM emissions from various emissions units in the event of a yellow alert, red alert or emergency issued under 35 IAC 244.161 through 244.165.

v. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Episode Action Plan, any amendments or revisions to the Episode Action Plan (as required by Condition 3.2(c)), and the Permittee shall also keep a record of activities completed according to the Episode Action Plan.

d. 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 2.5(a). This condition is imposed in this permit pursuant to 40 CFR 68.215(a)(2)(i) and (ii).

3. Title I Requirements

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

4. Synthetic Minor Limits

a. i. HAP Requirements

A. Pursuant to Section 39.5(7)(a) of the Act, the emissions of HAPs from the source shall be less than 10 tons/year for each individual HAP and 25 tons/year for all HAPs combined.

ii. Compliance Method (HAP Requirements)

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

Testing

B. Pursuant to Section 39.5(7)(b) of the Act, if in the previous calendar year, the source exceeded the production limits for the turbines at the source, then testing for HAPs shall be conducted as follows:

I. Testing shall be conducted using methods that would be acceptable under the federal National Emissions Standards for Hazardous Air Pollutants for Stationary Combustion Turbines, 40 CFR 63 Subpart YYYY. Specifically, the testing procedures detailed at 40 CFR 63.6120 of the performance tests section shall be used. For multiple turbines, the source owner or operator shall test largest turbine which makes the largest contributions to individual and total HAP emissions.

II. Testing shall be done within 180 days of the exceedance.

Note: See Sections 2.3 and 7.1 for additional testing requirements.

Recordkeeping

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records:

I. Records of individual and combined HAP emissions on a monthly and annual basis for all emission units at the source.

II. If testing is required, records of the tests performed, in accordance with the requirements in Section 7.1, including the test date, conditions, methodologies, calculations, and test results.

5. Reporting Requirements

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

a. <u>Prompt Reporting</u>

i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:

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

II. Requirements in Condition 3.2(c).

III. Requirements in Condition 3.4(a)(i).

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

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

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

A. Date and time of the deviation.

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

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

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

b. <u>Semiannual Reporting</u>

i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit a Semi-Annual Monitoring Report to the Illinois EPA, Air Compliance Section, summarizing required monitoring and identifying all instances of deviation from the permit, every six months as follows, unless more frequent reporting is required elsewhere in this Permit.

Monitoring Period	Report Due Date
January through June	September 1
July through December	March 31

ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.5(b).

Note: Required monitoring includes all applicable monitoring, testing, recordkeeping, and reporting requirements. This may include monitoring requirements not addressed within the Compliance Method Sections of this Permit.

c. <u>Annual Emissions Reporting</u>

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

Section 4 – Emission Unit Requirements

4.1 Natural Gas-Fired Turbines CT01 - CT04: 40 CFR 60 Subpart GG

1. Emission Units and Operations

Emission Units	*Pollutants Being Addressed*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
CT01 Natural Gas Fired Turbine Nominal capacity 48.5 MWe, 444 mmBtu/hr	Opacity, PM, SO2, VOM, CO, and NO_X	1999	N/A	Water Injection System	NOx CEMS Fuel Monitor
CT02 Natural Gas Fired Turbine Nominal capacity 48.5 MWe, 444 mmBtu/hr	Opacity, PM, SO2, VOM, CO, and NO_X	1999	N/A	Water Injection System	NOx CEMS Fuel Monitor
CT03 Natural Gas Fired Turbine Nominal capacity 48.5 MWe, 444 mmBtu/hr	Opacity, PM, SO2, VOM, CO, and NO_X	1999	N/A	Water Injection System	NOx CEMS Fuel Monitor
CT04 Natural Gas Fired Turbine Nominal capacity 48.5 MWe, 444 mmBtu/hr	Opacity, PM, SO2, VOM, CO, and NO_X	1999	N/A	Water Injection System	NOx CEMS Fuel Monitor

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. <u>Opacity Requirements</u>

A. Pursuant to 35 IAC 212.123(a), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from each emission unit, except as provided in 35 IAC 212.123(b) and 212.124.

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

<u>Monitoring</u>

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall perform USEPA Method 22 observations of opacity at least once every 13 months for each emission unit.

I. If visible emissions are observed, the Permittee shall either:

1. Conduct a Method 9 observation within 12 operating hours of such observation

2. Take corrective action within 12 operating hours of such observation. Corrective action may include, but is not limited to, shut down of the unit, maintenance and repair, and/or adjustment of operation. The Permittee shall

perform a follow-up observation for visible emissions in accordance with USEPA Method 22 within 12 operating hours after taking corrective actions. If visible emissions continue, the Permittee shall perform USEPA Method 9 observations of opacity within 7 operating days.

II. The unit is not required to startup solely to conduct opacity observations. A USEPA Method 22 observation shall be performed upon next unit startup.

B. Pursuant to Section 39.5(7)(b) of the Act, all opacity observations shall be conducted during normal operating conditions.

Note: Section 7.1 does not apply to these Method 22 and Method 9 observations.

Recordkeeping

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

I. Date and time the observation was performed.

II. Name(s) of observing personnel.

III. Identification of which equipment and emission point(s) was observed.

IV. Whether or not the equipment was running properly.

V. The findings of the observation including the presence of any visible emissions.

VI. A description of any corrective action taken, including the time that the corrective actions were started.

b. i. Particulate Matter (PM) Requirements

A. Pursuant to Construction Permit #99090035, emissions of PM/PM_{10} shall not exceed the following: [T1]

I. 10.85 lb/hr from each turbine except when ice fog is deemed a traffic hazard by the Permittee.

II. 190 tons/year from the turbines combined.

ii. Compliance Method (PM Requirements)

A. Pursuant to Construction Permit #99090035, compliance with annual limits shall be determined from a running total of 365 days.

B. Pursuant to Section 39.5(7)(b) of the Act, compliance with hourly limits shall be determined on a 24-hour average basis.

Recordkeeping

C. Pursuant to Construction Permit #99090035, the Permittee shall maintain records of the following items on at least a quarterly basis: [T1]

I. The daily emissions of PM for each day since the previous record with supporting calculations.

II. The annual emissions of PM for each day since the previous record based on a running total of 365 days of data.

c. i. Sulfur Dioxide (SO_2) Requirements

A. Pursuant to 40 CFR 60.333, the Permittee shall not burn in any stationary gas turbine any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).

B. Pursuant to 35 IAC 214.301, the Permittee shall not cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.

C. Pursuant to Construction Permit #99090035, emissions of SO_2 shall not exceed the following except when ice fog is deemed a traffic hazard by the Permittee: [T1]

I. 11.4 lb/hr from each turbine.

II. 200 tons/year from the turbines combined.

ii. Compliance Method (SO_2 Requirements)

A. Pursuant to Construction Permit #99090035:

I. Compliance with annual limits shall be determined from a running total of 365 days.

II. Compliance with hourly limits shall be determined from a 24-hour average based on fuel monitoring according to 40 CFR 75 Appendix D.

Monitoring

B. Pursuant to 40 CFR 60.334(h)(3), the Permittee may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in 40 CFR 60.331(u), regardless of whether an existing custom schedule approved by the IEPA for 40 CFR 60 subpart GG requires such monitoring. The owner or operator shall use the following source of information to make the required demonstration:

I. Pursuant to 40 CFR 60.334(h)(3)(i), the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less.

C. Pursuant to 40 CFR 60.334(i)(3), notwithstanding the requirements of 40 CFR 60.334(i)(2), operators may develop custom schedules for determination of the total sulfur content of gaseous fuels, based on the design and operation of the affected facility and the characteristics

of the fuel supply. Custom schedules shall be substantiated with data and shall be approved by the Illinois EPA before they can be used to comply with the standard in 40 CFR 60.333.

D. Pursuant to Construction Permit #99090035: [T1]

I. The Permittee shall monitor sulfur content of the gas fired in the turbines pursuant to the applicable provisions in 40 CFR Part 75, Appendix D, Section 2.3.2 for pipeline natural gas combustion.

II. The above provisions establish a custom schedule for determination of sulfur content of fuel in accordance with 40 CFR 60.334(i)(3) and USEPA's Custom Fuel Monitoring Document dated August 14, 1987.

E. Pursuant to Construction Permit #99090035, the Permittee shall conduct fuel monitoring for fuels fired in the turbines according to the procedures in 40 CFR 75, Appendix D. [T1]

Recordkeeping

F. Pursuant to Section 39.5(7)(b) of the Act:

I. The Permittee shall keep records of the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel.

II. The Permittee shall maintain records of the maximum emission rates for SO_2 from each emission unit (ppm), with supporting calculations.

G. Pursuant to Construction Permit #99090035, the Permittee shall maintain records of the following items: [T1]

I. The sulfur content of the fuel used to fire the turbines.

II. On at least a quarterly basis:

1. The daily emissions of SO_2 for each day since the previous record with supporting calculations.

2. The annual emissions of SO_2 for each day since the previous record based on a running total of 365 days of data.

d. i. Volatile Organic Material (VOM) Requirements

A. Pursuant to Construction Permit #99090035, emissions of VOM shall not exceed the following except when ice fog is deemed a traffic hazard by the Permittee: [T1]

I. 11.4 lb/hr from each turbine.

II. 200 tons/year from the turbines combined.

ii. Compliance Method (VOM Requirements)

A. Pursuant to Construction Permit #99090035, compliance with annual limits shall be determined from a running total of 365 days.

B. Pursuant to Section 39.5(7)(b) of the Act, compliance with hourly limits shall be determined on a 24-hour average basis.

Recordkeeping

C. Pursuant to Construction Permit #99090035, the Permittee shall maintain records of the following items on at least a quarterly basis: [T1]

I. The daily emissions of VOM for each day since the previous record with supporting calculations.

II. The annual emissions of VOM for each day since the previous record based on a running total of 365 days of data.

e. i. Carbon Monoxide (CO) Requirements

A. Pursuant to Construction Permit #99090035, emissions of CO shall not exceed the following except when ice fog is deemed a traffic hazard by the Permittee: [T1]

I. 55 lb/hr from each turbine.

II. 200 tons/year from the turbines combined.

ii. Compliance Method (CO Requirements)

A. Pursuant to Construction Permit #99090035, compliance with annual limits shall be determined from a running total of 365 days.

B. Pursuant to Section 39.5(7)(b) of the Act, compliance with hourly limits shall be determined on a 24-hour average basis.

Recordkeeping

C. Pursuant to Construction Permit #99090035, the Permittee shall maintain records of the following items on at least a quarterly basis: [T1]

I. The daily emissions of CO for each day since the previous record with supporting calculations.

II. The annual emissions of CO for each day since the previous record based on a running total of 365 days of data.

f. i. Nitrogen Oxide (NO_X) Requirements

A. I. Pursuant to 40 CFR 60.332(b), electric utility stationary gas turbines with a heat input at peak load greater than 107.2 gigajoules per hour (100 million Btu/hour) based on the

lower heating value of the fuel fired shall comply with the provisions of 40 CFR 60.332(a)(1).

1. Pursuant to 40 CFR 60.332(a)(1), no owner or operator subject to the provisions of 40 CFR 60 Subpart GG shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of:

$$STD = 0.0075\frac{(14.4)}{Y} + F$$

where:

STD = allowable ISO corrected (if required as given in 40 CFR 60.335(b)(1)) NO_X emission concentration (percent by volume at 15 percent oxygen and on a dry basis),

Y = manufacturer's rated heat rate at manufacturer's rated load (kilojoules per watt hour) or, actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour, and

F = NO_X emission allowance for fuel-bound nitrogen as defined in 40 CFR 60.332(a)(4).

Note: Source does not claim a NO_X emission allowance for fuel-bound nitrogen.

II. Pursuant to 40 CFR 60.332(f), Stationary gas turbines using water or steam injection for control of NO_X emissions are exempt from 40 CFR 60.332(a) when ice fog is deemed a traffic hazard by the owner or operator of the gas turbine.

B. Pursuant to 35 IAC 217.706, no owner or operator shall cause or allow the emissions of NO_x into the atmosphere from any EGU to exceed 0.25 lbs/MMBtu of actual heat input during each ozone control period, based on a control period average for that unit.

C. Pursuant to 35 IAC 217.706(b), notwithstanding the emission limitation in 35 IAC 217.706(a), any EGU subject to a more stringent NO_X emission limitation pursuant to any State or federal statute, including the Act, the Clean Air Act, or any regulations promulgated thereunder, shall comply with both the requirements of 35 IAC 217 Subpart V and that more stringent emission limitation.

D. Pursuant to Construction Permit #99090035, emissions of NO_x shall not exceed the following except when ice fog is deemed a traffic hazard by the Permittee: [T1]

I. 57 lb/hr from each turbine.

II. 200 tons/year from the turbines combined.

ii. Compliance Method (NO_x Requirements)

A. Pursuant to Construction Permit #99090035, compliance with annual limits shall be determined from a running total of 365 days.

Monitoring

B. Pursuant to 40 CFR 60.334(b), the owner or operator of any stationary gas turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and which uses water or steam injection to control NO_X emissions may, as an alternative to operating the continuous monitoring system described in 40 CFR 60.334(a), install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NO_X and O_2 monitors. The CEMS shall be installed, certified, maintained and operated as follows:

I. Each CEMS must be installed and certified according to PS 2 and 3 (for diluent) of 40 CFR part 60, appendix B, except the 7-day calibration drift is based on unit operating days, not calendar days. Appendix F, Procedure 1 is not required. The relative accuracy test audit (RATA) of the NO_X and diluent monitors may be performed individually or on a combined basis, *i.e.*, the relative accuracy tests of the CEMS may be performed either:

1. On a ppm basis (for NO_x) and a percent O_2 basis for oxygen.

2. On a ppm at 15 percent O_2 basis.

3. On a ppm basis (for NO_x) and a percent CO_2 basis (for a CO_2 monitor that uses the procedures in Method 20 to correct the NO_x data to 15 percent O_2).

II. As specified in 40 CFR 60.13(e)(2), during each full unit operating hour, each monitor must complete a minimum of one cycle of operation (sampling, analyzing and data recording) for each 15-minute quadrant of the hour, to validate the hour. For partial unit operating hours, at least one valid data point must be obtained for each quadrant of the hour in which the unit operates. For unit operating hours in which required quality assurance and maintenance activities are performed on the CEMS, a minimum of two valid data points (one in each of two quadrants) are required to validate the hour.

III. For purposes of identifying excess emissions, CEMS data must be reduced to hourly averages as specified in 40 CFR 60.13(h).

1. For each unit operating hour in which a valid hourly average, as described in 40 CFR 60.334(b)(2), is obtained for both NO_x and diluent, the data acquisition and handling system must calculate and record the hourly NO_x emissions in the units of the applicable NO_x emissions standard under 40 CFR 60.332(a), i.e., percent NO_x by volume, dry basis, corrected to 15 percent O_2 and International Organization for Standardization (ISO) standard conditions (if required as given in 40 CFR 60.335(b)(1)). For any hour in which the hourly average O_2 concentration exceeds 19.0 percent O_2, a diluent cap value of 19.0 percent O_2 may be used in the emission calculations.

2. A worse case ISO correction factor may be calculated and applied using historical ambient data. For the purpose of this calculation, substitute the maximum

humidity of ambient air (Ho), minimum ambient temperature (T_a), and minimum combustor inlet absolute pressure (P_o) into the ISO correction equation.

3. The owner or operator has installed a NO_x CEMS to meet the requirements of 40 CFR Part 75, and is continuing to meet the ongoing requirements of 40 CFR Part 75, the CEMS may be used to meet the requirements of this section, except that the missing data substitution methodology provided for at 40 CFR Part 75, Subpart D, is not required for purposes of identifying excess emissions. Instead, periods of missing CEMS data are to be reported as monitor downtime in the excess emission and monitoring performance report required in 40 CFR 60.7(c).

C. Pursuant to 40 CFR 60.334(h)(2), the Permittee shall monitor the nitrogen content of the fuel combusted in the turbine, if the owner or operator claims an allowance for fuel bound nitrogen (i.e., if an F-value greater than zero is being or will be used by the owner or operator to calculate STD in 40 CFR 60.332). The nitrogen content of the fuel shall be determined using methods described in 40 CFR 60.335(b)(9) or an approved alternative.

Note: Source does not claim a NO_X emission allowance for fuel-bound nitrogen.

D. Pursuant to 40 CFR 60.334(i)(3), custom schedules shall be substantiated with data and shall be approved by the Illinois EPA before they can be used to comply with the standard in 40 CFR 60.333.

I. Pursuant to Construction Permit #99090035: [T1]

1. Monitoring of fuel nitrogen content is not required as natural gas is the only fuel fired in the turbines.

2. The above provisions establish a custom schedule for determination of nitrogen content of fuel in accordance with 40 CFR 60.334(i)(3) and USEPA's Custom Fuel Monitoring Document dated August 14, 1987.

E. Pursuant to 35 IAC 217.710(a), the Permittee shall calibrate, maintain and operate continuous emissions monitoring systems (CEMS) for NO_X that meet the requirements of 40 CFR 75, subpart B.

Recordkeeping

F. Pursuant to 35 IAC 217.712 the owner or operator shall comply with the recordkeeping and reporting requirements of 40 CFR Part 75 applicable to NO_x emissions during the ozone control period (May 1 through September 30 of each year), including, but not limited to, 40 CFR 75.54(b) and (d), incorporated by reference in 35 IAC 217.104.

I. Pursuant to 40 CFR 75.54(b) (July 1, 2001), the Permittee shall record for each hour the following information on unit operating time, heat input, and load separately for each affected unit, and also for each group of units utilizing a common stack and a common monitoring system or utilizing a common pipe header and common fuel flowmeter, except that separate heat input data for each unit shall not be required after January 1, 2000 for any unit, other than an opt-in source, that does not have a NOX emission limitation under part 76 of this chapter.

1. Date and hour

2. Unit operating time (rounded up to nearest 15 minutes)

3. Total hourly gross unit load (rounded to nearest MWge) (or steam load in lb/hr at stated temperature and pressure, rounded to the nearest 1000 lb/hr, if elected in the monitoring plan)

4. Operating load range corresponding to total gross load of 1-10, except for units using a common stack or common pipe header, which may use the number of unit load ranges up to 20 for flow, as specified in the monitoring plan; and

5. Total heat input (MMBtu, rounded to the nearest tenth).

II. Pursuant to 40 CFR 75.54(d) (July 1, 2001), the Permittee shall record the information required by this paragraph for each affected unit for each hour, except for a gas-fired peaking unit for which the Permittee is using the optional protocol in 40 CFR Part 75, Appendix E for estimating NOX emission rate. For each NOX emission rate as measured and reported from the certified primary monitor, certified back-up monitor, or other approved method of emissions determination:

1. Component/system identification code as provided for in 40 CFR 75.53;

2. Date and hour;

3. Hourly average NOX concentration (ppm, rounded to the nearest tenth);

4. Hourly average diluent gas concentration (percent O2 or percent CO2, rounded to the nearest tenth);

5. Hourly average NOX emission rate (lb/MMBtu, rounded to nearest hundredth);

6. Hourly average NOX emission rate (lb/MMBtu, rounded to nearest hundredth) adjusted for bias, if bias adjustment factor is required as provided for in 40 CFR 75.24(d);

7. Percent monitoring system data availability, (recorded to the nearest tenth of a percent), calculated pursuant to 40 CFR 75.32;

8. Method of determination for hourly average NOX emission rate using Codes 1-15 in table 4; and

9. Identification code for emissions formula used to derive hourly average NOX emission rate, as provided for in 40 CFR 75.53.

G. Pursuant to Construction Permit #99090035, the Permittee shall maintain records of the following items: [T1]

I. On at least a quarterly basis:

1. The daily emissions of NO_X for each day since the previous record with supporting calculations.

2. The annual emissions of NO_X for each day since the previous record based on a running total of 365 days of data.

II. Any period when the turbine was in operation during which ice fog was deemed to be a traffic hazard, the ambient conditions existing during the periods, the date and time the water injection system was deactivated, and the date and time the system was reactivated.

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

A. Pursuant to Construction Permit #99090035: [T1]

I. The only fuel fired in the turbines shall be natural gas.

II. The turbines shall be equipped, operated, and maintained with water injection in the combustors.

III. The turbines, in total, shall not fire more than 3,200 million ft^3 of natural gas per year.

ii. <u>Compliance Method (Operational and Production Requirements)</u>

A. Pursuant to Construction Permit #99090035, compliance with annual limits shall be determined from a running total of 12 months of data. [T1]

<u>Recordkeeping</u>

B. Pursuant to Construction Permit #99090035, the Permittee shall maintain records of the following items: [T1]

I. Operating hours and fuel consumption for the turbines, on a daily basis.

II. On at least a quarterly basis, the heat content of the fuel being fired during the quarter, with supporting documentation.

III. Any periods during which a continuous monitoring system was not operational, with explanation.

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

A. Pursuant to 40 CFR 60.11(d), at all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate each emission unit including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Illinois EPA which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall conduct at least annual inspections of the turbines for the purpose of verifying that measures for controlling emissions from the associated equipment are in place and being properly implemented. The inspections shall include:

I. Turbine lubricating oil is sampled at least annually to determine oil quality.

II. Inspection of fuel filters and belts, if installed, annually and, replacement as necessary.

III. Inspection of all flexible hoses annually and replacement as necessary.

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:

I. Date and time inspections were performed.

II. Name(s) of inspection personnel

III. Identification of equipment being inspected.

IV. Findings of the inspections

V. Operation and maintenance procedures.

VI. A description of all maintenance and repair activities performed, including whether the activity resulted in a modification or reconstruction of the piece of equipment.

i. i. Combustion Evaluation Requirements

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall have combustion evaluation performed for each turbine on a regular basis.

B. Pursuant to Construction Permit #99090035, the hourly emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic material (VOM) from each turbine shall not exceed the limits established in Construction Permit #99090035, except during a period of combustion evaluation. [T1]

Note: This condition was originally established in Construction Permit #99090035 and was revised through a T1R as part of the renewal issued on June 30, 2020.

ii. Compliance Method (Combustion Evaluation Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(b) of the Act:

I. The combustion evaluation shall be performed consistent with manufacturer's recommendations.

II. During a combustion evaluation, emissions of CO shall be measured using a CEMS (i.e., temporary or permanent) or portable analyzer.

III. The Permittee shall perform a combustion evaluation prior to or in conjunction with a Relative Accuracy Test Audit (RATA).

1. The initial combustion evaluation shall be conducted no later than the second RATA conducted under this permit.

2. Thereafter, the timing of subsequent combustion evaluations shall be based on the levels of CO measured at the start (as found) of the combustion evaluation as follows:

aa. If the combustion evaluation measures a level of CO that is less than 80% of the applicable emission limit for CO, the next combustion evaluation shall be conducted by the fourth RATA.

bb. If the combustion evaluation measures a level of CO that is more than 80% of the applicable emission limit for CO, the next combustion evaluation shall be conducted by the second RATA following the previous evaluation.

3. Notwithstanding the above minimum combustion evaluation frequency, the Permittee may conduct additional combustion evaluations with associated exemption from hourly limits, on a voluntary basis.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records for both required and voluntary combustion evaluations:

I The date the combustion evaluation was performed.

II. The name, title, and affiliation of the person who performed the combustion evaluation.

III. Evaluation procedure followed and checklist of items inspected prior to the actual evaluation.

IV. Operating parameters at the start and at end of combustion evaluation.

V. Adjustments to the turbine, if any, during the combustion evaluation.

VI. The time by which the next combustion evaluation must be performed.

3. Non-Applicability Determinations

a. The turbines are not subject to the New Source Performance Standards (NSPS) for Stationary Gas Turbines, 40 CFR Part 60, Subpart KKKK, because the turbines did not commence construction, modification, or reconstruction after February 18, 2005, pursuant to 40 CFR 60.4305(a).

Note: To qualify for this non-applicability, the Permittee has certified that the turbines have not been modified or reconstructed after February 18, 2005.

b. The turbines are not subject to the New Source Performance Standards (NSPS) for Greenhouse Gas Emissions for Electric Generating Units, 40 CFR Part 60, Subpart TTTT, because the turbines did not commence construction, modification, or reconstruction after January 8, 2014, pursuant to 40 CFR 60.5509(a).

Note: To qualify for this non-applicability, the Permittee has certified that the turbines have not been modified or reconstructed after February 18, 2005.

c. The turbines are not subject to 35 IAC 212.321 or 212.322, due to the use of gaseous and liquid fuels, a process weight rate cannot be set so that such rules cannot reasonably be applied, pursuant to 35 IAC 211.5250.

d. The turbines are not subject to 35 IAC 215.301, because the turbines do not use, by definition, organic material that would make them subject to 35 IAC 215.301, pursuant to 35 IAC 211.4250.

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

f. The turbines are not subject to 35 IAC 217.141 because the turbines are not fuel combustion emission units as defined by 35 IAC 211.2470.

g. The turbines are not subject to 35 IAC 217 Subpart Q: Stationary Reciprocating Internal Combustion Engines And Turbines, because the turbines are not located at sources located in areas identified in 35 IAC 217.386(a)(2).

h. The turbines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources:

i. For NO_x, because the turbines are subject to an NSPS proposed after November 15, 1990, pursuant to 40 CFR 64.2(b)(1)(i).

ii. For PM, SO_2, VOM, and CO, because the turbines do not use an add-on control device to achieve compliance with an emission limitation or standard, pursuant to 40 CFR 64.2(a)(2).

4. Other Requirements

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

5. Reporting Requirements

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

a. <u>Prompt Reporting</u>

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

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

b. <u>Federal Reporting</u>

i. <u>40 CFR 60 Subpart GG</u>

A. Pursuant to 40 CFR 60.334(j), for each turbine that elects to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content or fuel nitrogen content under this subpart, the owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c). Excess emissions shall be reported for all periods of unit operation, including start-up, shutdown and malfunction. For the purpose of reports required under 40 CFR 60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined as follows:

I. For turbines using NOX and diluent CEMS:

1. An hour of excess emissions shall be any unit operating hour in which the 4-hour rolling average NOX concentration exceeds the applicable emission limit in 40 CFR 60.332(a)(1) or (2). For the purposes of this subpart, a “4-hour rolling average NOX concentration” is the arithmetic average of the average NOX concentration measured by the CEMS for a given hour (corrected to 15 percent O2 and, if required under 40 CFR 60.335(b)(1), to ISO standard conditions) and the three unit operating hour average NOX concentrations immediately preceding that unit operating hour.

2. A period of monitor downtime shall be any unit operating hour in which sufficient data are not obtained to validate the hour, for either NOX concentration or diluent (or both).

3. Each report shall include the ambient conditions (temperature, pressure, and humidity) at the time of the excess emission period and (if the owner or operator has claimed an emission allowance for fuel bound nitrogen) the

nitrogen content of the fuel during the period of excess emissions. You do not have to report ambient conditions if you opt to use the worst case ISO correction factor as specified in 40 CFR 60.334(b)(3)(ii), or if you are not using the ISO correction equation under the provisions of 40 CFR 60.335(b)(1).

B. Pursuant to 40 CFR 60.334(k):

I. All reports required under 40 CFR 60.7(c) shall be postmarked by the 30th day following the end of each 6-month period.

II. Beginning on March 16, 2026, within 60 days after the date of completing each performance test or CEMS performance evaluation that includes a RATA, you must submit the results following the procedures specified in 40 CFR 60.334(k)(4). You must submit the report in a file format generated using the EPA's Electronic Reporting Tool (ERT). Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website (*https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert*) accompanied by the other information required by 40 CFR 60.8(f)(2) in PDF format.

III. You must submit to the Administrator semiannual reports of the following recorded information. Beginning on January 15, 2027, or once the report template for this subpart has been available on the CEDRI website (*https://www.epa.gov/electronic-reporting-air-emissions/cedri*) for one year, whichever date is later, submit all subsequent reports using the appropriate electronic report template on the CEDRI website for this subpart and following the procedure specified in 40 CFR 60.334(k)(4). The date report templates become available will be listed on the CEDRI website. Unless the Administrator or delegated State agency or other authority has approved a different schedule for submission of reports, the report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted.

IV. If you are required to submit notifications or reports following the procedure specified in 40 CFR 60.334(k)(4), you must submit notifications or reports to the EPA via CEDRI, which can be accessed through the EPA's Central Data Exchange (CDX) (*https://cdx.epa.gov/*). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Although we do not expect persons to assert a claim of CBI, if you wish to assert a CBI claim for some of the information in the report or notification, you must submit a complete file in the format specified in this subpart, including information claimed to be CBI, to the EPA following the procedures in 40 CFR 60.334(k)(4)(i) and (ii). Clearly mark the part or all of the information that you claim to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in 40 CFR 2. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. You must submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in 40 CFR 60.334(k)(4).

c. State Reporting

i. 35 IAC 217 Subpart V

A. Pursuant to 35 IAC 217.712(c), the Permittee shall submit, with the report required under 35 IAC 217.702(d), the following certification statement, to be signed by a responsible official:

"I certify under penalty of law that this report and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief after due inquiry, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature

Name

Official Title

Telephone No.

Date Signed

B. Pursuant to 35 IAC 217.712(d), if demonstrating compliance through 35 IAC 217.706(a), by November 30 of each year beginning in 2003, submit to the Illinois EPA a report that demonstrates each EGU has not exceeded a NO_X emission rate of 0.25 lbs/MMBtu during the ozone control period.

C. Pursuant to 35 IAC 217.712(g), the Permittee shall submit copies of any records and data required by 35 IAC 217.712 to the Agency within 30 days after receipt of a written request by the Illinois EPA.

4.2 Natural Gas-Fired Turbines CT05 - CT08: 40 CFR 60 Subpart GG

1. Emission Units and Operations

Emission Units	*Pollutants Being Addressed*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
CT05 Natural Gas Fired Turbine Nominal capacity 48 MWe, 552.5 mmBtu/hr	Opacity, PM, SO2, VOM, CO, and NO_X	2001	N/A	Dry Low NOx Combustors	Part 75 Appendix E NOx monitoring* Part 75 Appendix D Fuel Monitoring (SO2) Fuel Monitor
CT06 Natural Gas Fired Turbine Nominal capacity 48 MWe, 552.5 mmBtu/hr	Opacity, PM, SO2, VOM, CO, and NO_X	2001	N/A	Dry Low NOx Combustors	Part 75 Appendix E NOx monitoring* Part 75 Appendix D Fuel Monitoring (SO2) Fuel Monitor
CT07 Natural Gas Fired Turbine Nominal capacity 48 MWe, 552.5 mmBtu/hr	Opacity, PM, SO2, VOM, CO, and NO_X	2001	N/A	Dry Low NOx Combustors	Part 75 Appendix E NOx monitoring* Part 75 Appendix D Fuel Monitoring (SO2) Fuel Monitor
CT08 Natural Gas Fired Turbine Nominal capacity 48 MWe, 552.5 mmBtu/hr	Opacity, PM, SO2, VOM, CO, and NO_X	2001	N/A	Dry Low NOx Combustors	Part 75 Appendix E NOx monitoring* Part 75 Appendix D Fuel Monitoring (SO2) Fuel Monitor

* Parametric monitoring is allowed pursuant to operational flexibility in Condition 4.1.4(c). At the time of issuance of this permit, the Permittee was utilizing the Optional NOX Emissions Estimation Protocol for Gas-Fired Peaking Units and Oil-Fired Peaking Units pursuant to 40 CFR Part 75.12.

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), the Permittee shall not cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from each emission unit, except as provided in 35 IAC 212.123(b) and 212.124.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall perform USEPA Method 22 observations of opacity at least once every 13 months for each emission unit.

I. If visible emissions are observed, the Permittee shall either:

1. Conduct a Method 9 observation within 12 operating hours of such observation

2. Take corrective action within 12 operating hours of such observation. Corrective action may include, but is not limited to, shut down of the unit, maintenance and repair, and/or adjustment of operation. The Permittee shall perform a follow-up observation for visible emissions in accordance with USEPA Method 22 within 12 operating hours after taking corrective actions. If visible emissions continue, the Permittee shall perform USEPA Method 9 observations of opacity within 7 operating days.

II. The unit is not required to startup solely to conduct opacity observations. A USEPA Method 22 observation shall be performed upon next unit startup.

B. Pursuant to Section 39.5(7)(b) of the Act, all opacity observations shall be conducted during normal operating conditions.

Note: Section 7.1 does not apply to these Method 22 and Method 9 observations.

Recordkeeping

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

I. Date and time the observation was performed.

II. Name(s) of observing personnel.

III. Identification of which equipment and emission point(s) was observed.

IV. Whether or not the equipment was running properly.

V. The findings of the observation including the presence of any visible emissions.

VI. A description of any corrective action taken, including the time that the corrective actions were started.

b. i. <u>Particulate Matter (PM) Requirements</u>

A. Pursuant to Construction Permit #00090076, emissions of PM/PM_{10} shall not exceed the following limits: [T1]

I. 5.0 lb/hr from each turbine.

II. 38 tons/year from the turbines combined.

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

A. Pursuant to Construction Permit #00090076:

I. Compliance with annual limits shall be determined from a running total of 12 months of data.

II. Compliance with hourly limits shall be determined from the most recent emission testing in accordance with representative emission testing conducted with USEPA Reference Test Methods (3-run average).

<u>Recordkeeping</u>

B. Pursuant to Construction Permit #00090076, the Permittee shall keep records of annual emissions of PM for each month since the previous record with supporting calculations. Emissions shall be calculated based on fuel consumption data and site-specific emission factors developed from emission test data or other methods approved by the Illinois EPA.

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of hourly emissions of PM (lb/hr), with supporting calculations.

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

A. Pursuant to 40 CFR 60.333, the Permittee shall comply with the following condition:

I. No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).

B. Pursuant to 35 IAC 214.301, the Permittee shall not cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.

C. Pursuant to Construction Permit #00090076, emissions of SO_2 shall not exceed the following limits: [T1]

I. 1.0 lb/hr from each turbine.

II. 8 tons/year from the turbines combined.

ii. Compliance Method (SO_2 Requirements)

A. Pursuant to Construction Permit #00090076:

I. Compliance with annual limits shall be determined from a running total of 12 months of data.

II. Compliance with hourly limits shall be determined from a 24-hour average based on fuel monitoring according to 40 CFR 75 Appendix D.

Monitoring

B. Pursuant to 40 CFR 60.334(h)(3), the Permittee may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in 40 CFR 60.331(u), regardless of whether an existing custom schedule approved by the IEPA for subpart GG requires such monitoring. The owner or operator shall use the following source of information to make the required demonstration:

I. Pursuant to 40 CFR 60.334(h)(3)(i), the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less.

C. Pursuant to 40 CFR 60.334(i)(3), notwithstanding the requirements of 40 CFR 60.334(i)(2), operators may develop custom schedules for determination of the total sulfur content of gaseous fuels, based on the design and operation of the affected facility and the characteristics of the fuel supply. Custom schedules shall be substantiated with data and shall be approved by the Illinois EPA before they can be used to comply with the standard in 40 CFR 60.333.

I. Pursuant to Construction Permit #00090076: [T1]

1. The Permittee shall sample and analyze for the sulfur content of the fuel for the turbines in accordance with the Federal Acid Rain Program 40 CFR 75.11(d) [refer to Part 75, Appendix D, Section 2.3 for pipeline natural gas combustion].

2. The above provisions establish a custom schedule for determination of sulfur content of fuel, subject to case-specific approval by USEPA pursuant to 40 CFR 60.13(i), in which approval USEPA may establish additional requirements upon the Permittee for sampling and analysis of fuel. The Permittee shall also sample and analyze for sulfur content of the natural gas being fired in the turbines in accordance with 40 CFR 60.334(h).

Recordkeeping

D. Pursuant to Section 39.5(7)(b) of the Act:

I. The Permittee shall keep records of the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel.

II. A file identifying the maximum level of sulfur dioxide at which compliance with 35 IAC 214.301 is maintained, with supporting documentation and analysis.

E. Pursuant to Construction Permit #00090076, the Permittee shall maintain the records related to annual emissions of SO_2 from the four turbines for each month since the previous record with supporting calculations. Emissions shall be calculated based on fuel consumption data and emission monitoring in accordance with 40 CFR 75 Appendix D.

F. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of hourly emissions of SO_2 (lb/hr), with supporting calculations.

d. i. Volatile Organic Material (VOM) Requirements

A. Pursuant to Construction Permit #00090076, emissions of VOM shall not exceed the following limits: [T1]

I. 1. 5.0 lb/hr from each turbine operated above 60% load.

2. 23 lb/hr (0.09 lb/mmBtu) from each turbine operated below 60% load.

II. 53 tons/year from the turbines combined.

ii. Compliance Method (VOM Requirements)

A. Pursuant to Construction Permit #00090076:

I. Compliance with annual limits shall be determined from a running total of 12 months of data.

II. Compliance with hourly limits shall be determined from the most recent emission testing in accordance with representative emission testing conducted with USEPA Reference Test Methods (3-run average).

Recordkeeping

B. Pursuant to Construction Permit #00090076, the Permittee shall keep records of annual emissions of VOM for each month since the previous record with supporting calculations. Emissions shall be calculated based on fuel consumption data and site-specific emission factors developed from emission test data or other methods approved by the Illinois EPA.

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of hourly emissions of VOM (lb/hr), with supporting calculations.

e. i. Carbon Monoxide (CO) Requirements

A. Pursuant to Construction Permit #00090076, emissions of CO shall not exceed the following limits: [T1]

I. 1. 17.0 lb/hr from each turbine operated above 60% load.

2. 77 lb/hr (0.3 lb/mmBtu) from each turbine operated below 60% load.

II. 178 tons/year from the turbines combined.

ii. Compliance Method (CO Requirements)

A. Pursuant to Construction Permit #00090076:

I. Compliance with annual limits shall be determined from a running total of 12 months of data.

II. Compliance with hourly limits shall be determined from the most recent emission testing in accordance with representative emission testing conducted with USEPA Reference Test Methods (3-run average).

Recordkeeping

B. Pursuant to Construction Permit #00090076, the Permittee shall keep records of annual emissions of CO for each month since the previous record with supporting calculations. Emissions shall be calculated based on fuel consumption data and site-specific emission factors developed from emission test data or other methods approved by the Illinois EPA.

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of hourly emissions of CO (lb/hr), with supporting calculations.

f. i. Nitrogen Oxide (NO_X) Requirements

A. I. Pursuant to 40 CFR 60.332(b), electric utility stationary gas turbines with a heat input at peak load greater than 107.2 gigajoules per hour (100 million Btu/hour) based on the lower heating value of the fuel fired shall comply with the provisions of 40 CFR 60.332(a)(1).

1. Pursuant to 40 CFR 60.332(a)(1), no owner or operator subject to the provisions of 40 CFR 60 Subpart GG shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of:

$$STD = 0.0075\frac{(14.4)}{Y} + F$$

where:

STD = allowable ISO corrected (if required as given in 40 CFR 60.335(b)(1)) NO_X emission concentration (percent by volume at 15 percent oxygen and on a dry basis),

Y = manufacturer's rated heat rate at manufacturer's rated load (kilojoules per watt hour) or, actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour, and

F = NO_X emission allowance for fuel-bound nitrogen as defined in 40 CFR 60.332(a)(4).

Note: Source does not claim a NO_X emission allowance for fuel-bound nitrogen.

II. Pursuant to 40 CFR 60.332(f), Stationary gas turbines using water or steam injection for control of NO_X emissions are exempt from 40 CFR 60.332(a) when ice fog is deemed a traffic hazard by the owner or operator of the gas turbine.

B. Pursuant to 35 IAC 217.706, no owner or operator shall cause or allow the emissions of NO_x into the atmosphere from any EGU to exceed 0.25 lbs/MMBtu of actual heat input during each ozone control period, based on a control period average for that unit.

C. Pursuant to 35 IAC 217.706(b), notwithstanding the emission limitation in 35 IAC 217.706(a), any EGU subject to a more stringent NO_X emission limitation pursuant to any State or federal statute, including the Act, the Clean Air Act, or any regulations promulgated thereunder, shall comply with both the requirements of 35 IAC 217 Subpart V and that more stringent emission limitation.

D. Pursuant to Construction Permit #00090076, emissions of NO_x shall not exceed the following limits: [T1]

I. 30.0 lb/hr from each turbine.

II. 230 tons/year from the turbines combined.

ii. Compliance Method (NO_x Requirements)

A. Pursuant to Construction Permit #00090076, compliance with annual limits shall be determined from a running total of 12 months of data.

Monitoring

B. Pursuant to 40 CFR 60.334(c), for any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and which does not use steam or water injection to control NO_x emissions, the owner or operator may, but is not required to, for purposes of determining excess emissions, use a CEMS that meets the requirements of 40 CFR 60.334(b).

C. Pursuant to 40 CFR 60.334(h)(2), the Permittee shall monitor the nitrogen content of the fuel combusted in the turbine, if the owner or operator claims an allowance for fuel bound nitrogen (i.e., if an F-value greater than zero is being or will be used by the owner or operator to calculate STD in 40 CFR 60.332). The nitrogen content of the fuel shall be determined using methods described in 40 CFR 60.335(b)(9) or an approved alternative.

Note: Source does not claim a NO_X emission allowance for fuel-bound nitrogen.

D. Pursuant to 40 CFR 60.334(i)(3), custom schedules shall be substantiated with data and shall be approved by the Illinois EPA before they can be used to comply with the standard in 40 CFR 60.333.

I. Pursuant to Construction Permit #00090076: [T1]

1. Monitoring of fuel nitrogen content is not required as natural gas, as defined in 40 CFR 72.2, is the only fuel fired in the turbines.

2. The above provisions establish a custom schedule for determination of nitrogen content of fuel, subject to case-specific approval by USEPA pursuant to 40 CFR 60.13(i), in which approval USEPA may establish additional requirements upon the Permittee for sampling and analysis of fuel. If USEPA does not approve a custom schedule for the turbines, the Permittee shall also sample and analyze for nitrogen content of the natural gas being fired in the turbines in accordance with 40 CFR 60.334(h).

E. Pursuant to 35 IAC 217.710(a), the Permittee shall install, calibrate, maintain and operate continuous emissions monitoring systems (CEMS) for NO_x that meet the requirements of 40 CFR 75, subpart B.

Recordkeeping

F. Pursuant to 35 IAC 217.712 the owner or operator shall comply with the recordkeeping and reporting requirements of 40 CFR Part 75 applicable to NO_x emissions during the ozone control period (May 1 through September 30 of each year), including, but not limited to, 40 CFR 75.54(b) and (d), incorporated by reference in 35 IAC 217.104.

I. Pursuant to 40 CFR 75.54(b) (July 1, 2001), the Permittee shall record for each hour the following information on unit operating time, heat input, and load separately for each affected unit, and also for each group of units utilizing a common stack and a common monitoring system or utilizing a common pipe header and common fuel flowmeter, except that separate heat input data for each unit shall not be required after January 1, 2000 for any unit, other than an opt-in source, that does not have a NOX emission limitation under part 76 of this chapter.

1. Date and hour

2. Unit operating time (rounded up to nearest 15 minutes)

3. Total hourly gross unit load (rounded to nearest MWge) (or steam load in lb/hr at stated temperature and pressure, rounded to the nearest 1000 lb/hr, if elected in the monitoring plan)

4. Operating load range corresponding to total gross load of 1-10, except for units using a common stack or common pipe header, which may use the number of unit load ranges up to 20 for flow, as specified in the monitoring plan; and

5. Total heat input (MMBtu, rounded to the nearest tenth).

II. Pursuant to 40 CFR 75.54(d) (July 1, 2001), the Permittee shall record the information required by this paragraph for each affected unit for each hour, except for a gas-fired peaking unit for which the Permittee is using the optional protocol in 40 CFR Part 75, Appendix E for estimating NOX emission rate. For each NOX emission rate as measured

and reported from the certified primary monitor, certified back-up monitor, or other approved method of emissions determination:

1. Component/system identification code as provided for in 40 CFR 75.53;

2. Date and hour;

3. Hourly average NOX concentration (ppm, rounded to the nearest tenth);

4. Hourly average diluent gas concentration (percent O2 or percent CO2, rounded to the nearest tenth);

5. Hourly average NOX emission rate (lb/MMBtu, rounded to nearest hundredth);

6. Hourly average NOX emission rate (lb/MMBtu, rounded to nearest hundredth) adjusted for bias, if bias adjustment factor is required as provided for in 40 CFR 75.24(d);

7. Percent monitoring system data availability, (recorded to the nearest tenth of a percent), calculated pursuant to 40 CFR 75.32;

8. Method of determination for hourly average NOX emission rate using Codes 1-15 in table 4; and

9. Identification code for emissions formula used to derive hourly average NOX emission rate, as provided for in 40 CFR 75.53.

G. Pursuant to Construction Permit #00090076, the Permittee shall maintain the records related to annual emissions of NOx from the four turbines for each month since the previous record with supporting calculations.

H. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of hourly emissions of NO_x (lb/hr), with supporting calculations.

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

A. Pursuant to Construction Permit #00090076: [T1]

I. The only fuel fired in the turbines shall be natural gas.

II. The turbines, in total, shall not fire more than 8,306 million standard cubic ft of natural gas per year (including 872 million standard ft of natural gas usage considering approximately 10% of the total turbine operating time less than 60% turbine load).

III. Each turbine shall be equipped, operated, and maintained with dry low NO_x combustors to control NO_X emissions.

IV. The Permittee shall manage the operation of the turbines to minimize multiple startups of a turbine in a single day, unless startup is tripped off, and to provide adequate time for normal startup of the turbines, except for "quick starts" that are due to requests for

immediate delivery of power, as would result from unexpected loss of a transmission line or other generating capacity.

V. Except during startup or shutdown of a turbine or for the purpose of emission testing, the Permittee shall minimize operation of turbines below 60 percent load and shall not operate turbines below such lower load at which emission testing conducted has demonstrated compliance with applicable hourly emission limits.

B. Pursuant to Section 39.5(7)(a) of the Act, each turbine shall each be equipped, operated, and maintained with a continuous monitoring system to monitor and record the fuel consumption.

ii. Compliance Method (Operational and Production Requirements)

A. Pursuant to Construction Permit #00090076, compliance with annual limits shall be determined from a running total of 12 months of data. [T1]

Recordkeeping

B. Pursuant to Construction Permit #00090076, the Permittee shall maintain a file of the following items: [T1]

I. Manufacturers specification for rated turbine load.

II. The composition of fuel.

III. Heat content of the natural gas (Btu/ft3) being fired, with supporting documentation, on a quarterly basis.

IV. A copy of the Final Report(s) for emission testing conducted.

C. Pursuant to Construction Permit #00090076, the Permittee shall maintain the following daily operating records: [T1]

I. Fuel consumption (for each turbine).

II. Operating logs for each turbine, which at a minimum shall include daily information for operating hours, each period when a turbine operates under reduced load, i.e. at or less than 60% load, fuel consumption, and periods of time when inlet air-cooling is used.

III. Operating hours for each combustion turbine on a daily basis.

IV. Facility operating hours on a daily basis. For this purpose, the Permittee shall consider the facility to operate for one hour if one or more turbines are operated during an hour. For example, if one turbine or four turbines operate from 12:00 noon to 6:00 PM on a day, in both cases, this shall count as six operating hours.

D. Pursuant to Construction Permit #00090076, the Permittee shall maintain records of: [T1]

I. The fuel consumption that also identifies consumption when turbine operated under reduced load, i.e. less than or equal to 60% load, operating hours identifying the

reduced load operation and number of startups for each turbine, compiled on at least a monthly basis.

II. Any periods during which a continuous monitoring system was not operational, if applicable, with explanation.

h. i. Work Practice Requirements

A. Pursuant to 40 CFR 60.11(d), at all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate each emission unit including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Illinois EPA which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

B. Pursuant to Construction Permit #00090076, each turbine shall be operated in a manner consistent with good air pollution control practice to minimize emissions and opacity during startup and shutdown including the following. These practices shall be reviewed at least annually and enhanced consistent with good air pollution control practice based on actual operating experience and performance of the turbines. [T1]

I. The Permittee shall operate in accordance with the manufacturer's written instructions or other written instructions developed and maintained by the Permittee that shall include at a minimum the following measures:

1. Review of operating parameters of the unit during startup, or shutdown as necessary to make adjustments to reduce emissions; and

2. Implementation of inspection and repair procedures for a turbine prior to attempting startup following repeated trips.

II. The Permittee shall maintain the turbines in accordance with written procedures developed and maintained by them.

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall conduct at least annual inspections of the turbines for the purpose of verifying that measures for controlling emissions from the associated equipment are in place and being properly implemented. The inspections shall include:

I. Turbine lubricating oil is sampled at least annually to determine oil quality.

II. Inspection of fuel filters and belts, if installed, annually and, replacement as necessary.

III. Inspection of all flexible hoses annually and replacement as necessary.

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:

I. Date and time inspections were performed.

II. Name(s) of inspection personnel

III. Identification of equipment being inspected.

IV. Findings of the inspections

V. Operation and maintenance procedures.

VI. A description of all maintenance and repair activities performed, including whether the activity resulted in a modification or reconstruction of the piece of equipment.

C. Pursuant to Construction Permit #00090076, the Permittee shall maintain records documenting annual review of its operating procedures.

i. i. Combustion Evaluation Requirements

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall have combustion evaluation performed for each turbine on a regular basis.

B. Pursuant to Construction Permit #00090076, the hourly emissions of nitrogen oxides (NO_X), carbon monoxide (CO), and volatile organic material (VOM) from each turbine shall not exceed the limits established in Construction Permit #00090076, except during a period of combustion evaluation. [T1]

Note: This condition was originally established in Construction Permit #00090076 and was revised through a T1R as part of the renewal issued on June 30, 2020.

ii. Compliance Method (Combustion Evaluation Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(b) of the Act:

I. The combustion evaluation shall be performed consistent with manufacturer's recommendations.

II. During a combustion evaluation, emissions of CO shall be measured using a CEMS (i.e., temporary or permanent) or portable analyzer.

III. The Permittee shall perform a combustion evaluation prior to or in conjunction with a Relative Accuracy Test Audit (RATA) or other evaluation of NOx emissions when a third-party stack testing contractor is mobilized for 40 CFR Part 60/75 CEMS QA/QC activities.)

1. The initial combustion evaluation shall be conducted no later than the second RATA conducted under this permit or the next periodic emission test if the Permittee is utilizing the Optional Protocol for determining NOx emissions at 40 CFR Part 75, Appendix E.

2. Thereafter, the timing of subsequent combustion evaluations shall be based on the levels of CO measured at the start (as found) of the combustion evaluation as follows:

   aa. If the combustion evaluation measures a level of CO that is less than 80% of the applicable emission limit for CO, the next combustion evaluation shall be conducted by the fourth RATA or next periodic emission test if the Permittee is utilizing the Optional Protocol for determining NOx emissions at 40 CFR Part 75, Appendix E.

   bb. If the combustion evaluation measures a level of CO that is more than 80% of the applicable emission limit for CO, the next combustion evaluation shall be conducted by the second RATA following the previous evaluation or within three years.

3. Notwithstanding the above minimum combustion evaluation frequency, the Permittee may conduct additional combustion evaluations with associated exemption from hourly limits, on a voluntary basis.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records for both required and voluntary combustion evaluations:

   I The date the combustion evaluation was performed.

   II. The name, title, and affiliation of the person who performed the combustion evaluation.

   III. Evaluation procedure followed and checklist of items inspected prior to the actual evaluation.

   IV. Operating parameters at the start and at end of combustion evaluation.

   V. Adjustments to the turbine, if any, during the combustion evaluation.

   VI. The time by which the next combustion evaluation must be performed.

3. Non-Applicability Determinations

a. The turbines are not subject to the New Source Performance Standards (NSPS) for Stationary Gas Turbines, 40 CFR Part 60, Subpart KKKK, because the turbines did not commence construction, modification, or reconstruction after February 18, 2005, pursuant to 40 CFR 60.4305(a).

   Note: To qualify for this non-applicability, the Permittee has certified that the turbines have not been modified or reconstructed after February 18, 2005.

b. The turbines are not subject to the New Source Performance Standards (NSPS) for Greenhouse Gas Emissions for Electric Generating Units, 40 CFR Part 60, Subpart TTTT, because the turbines did not commence construction, modification, or reconstruction after January 8, 2014, pursuant to 40 CFR 60.5509(a).

Note: To qualify for this non-applicability, the Permittee has certified that the turbines have not been modified or reconstructed after February 18, 2005.

c. The turbines are not subject to 35 IAC 212.321 or 212.322, due to the use of gaseous and liquid fuels, a process weight rate cannot be set so that such rules cannot reasonably be applied, pursuant to 35 IAC 211.5250.

d. The turbines are not subject to 35 IAC 215.301, because the turbines do not use, by definition, organic material that would make them subject to 35 IAC 215.301, pursuant to 35 IAC 211.4250.

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

f. The turbines are not subject to 35 IAC 217.141 because the turbines are not fuel combustion emission units as defined by 35 IAC 211.2470.

g. The turbines are not subject to 35 IAC 217 Subpart Q: Stationary Reciprocating Internal Combustion Engines And Turbines, because the turbines are not located at sources located in areas identified in 35 IAC 217.386(a)(2).

h. The turbines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources:

i. For NO_x, because the turbines are subject to an NSPS proposed after November 15, 1990, pursuant to 40 CFR 64.2(b)(1)(i).

ii. For PM, SO_2, VOM, and CO, because the turbines do not use an add-on control device to achieve compliance with an emission limitation or standard, pursuant to 40 CFR 64.2(a)(2).

4. Other Requirements

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

a. <u>Requirement Optionality</u>

i. <u>NO_x Monitoring Requirements</u>

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee may operate and maintain a Continuous Emission Monitoring (CEM) system to measure emissions of NOx from each gas turbine in accordance with the Federal Acid Rain Program, 40 CFR Part 75..

ii. <u>Compliance Method (NO_x Monitoring Requirements)</u>

<u>Recordkeeping</u>

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a record of which option (CEMS or 40 CFR Part 75 Appendix E) each unit is complying with, and the date a unit switched to a different option.

Note: Monitoring plan records according to 40 CFR 75.53 are sufficient to satisfy this requirement.

Reporting

B. Pursuant to Section 39.5(7)(b) of the Act, if the Permittee changes which option to comply with, the Permittee shall notify the Illinois EPA within 30 days of the change. Such notification shall include, at a minimum:

I. An identification of the unit(s) affected.

II. A demonstration of compliance with the new option.

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(e)(i), 4.2.2(f)(i), 4.2.2(g)(i), 4.2.2(h)(i), and 4.2.2(i)(i).

II. Requirements in Condition 4.2.4(a)(i).

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

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

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

A. Date and time of the deviation.

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

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

b. Federal Reporting

i. 40 CFR 60 Subpart GG

A. Pursuant to 40 CFR 60.334(j), for each turbine that elects to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content or fuel nitrogen content under this subpart, the owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c). Excess emissions shall be reported for all periods of unit operation, including start-up, shutdown and malfunction.

B. Pursuant to 40 CFR 60.334(k):

I. **Reporting frequency.** All reports required under 40 CFR 60.7(c) shall be postmarked by the 30th day following the end of each 6-month period.

II. **General reporting requirements.** You must submit to the Administrator semiannual reports of the following recorded information. Beginning on January 15, 2027, or once the report template for this subpart has been available on the CEDRI website (*https://www.epa.gov/electronic-reporting-air-emissions/cedri*) for one year, whichever date is later, submit all subsequent reports using the appropriate electronic report template on the CEDRI website for this subpart and following the procedure specified in 40 CFR 60.334(k)(4). The date report templates become available will be listed on the CEDRI website. Unless the Administrator or delegated State agency or other authority has approved a different schedule for submission of reports, the report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted.

III. **CEDRI and CBI.** If you are required to submit notifications or reports following the procedure specified in 40 CFR 60.334(k)(4), you must submit notifications or reports to the EPA via CEDRI, which can be accessed through the EPA's Central Data Exchange (CDX) (*https://cdx.epa.gov/*). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Although we do not expect persons to assert a claim of CBI, if you wish to assert a CBI claim for some of the information in the report or notification, you must submit a complete file in the format specified in this subpart, including information claimed to be CBI, to the EPA following the procedures in 40 CFR 60.334(k)(4)(i) and (ii). Clearly mark the part or all of the information that you claim to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in 40 CFR 2. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. You must submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in 40 CFR 60.334(k)(4).

c. State Reporting

i. 35 IAC 217 Subpart V

A. Pursuant to 35 IAC 217.712(c), the Permittee shall submit, with the report required under 35 IAC 217.702(d), the following certification statement, to be signed by a responsible official:

"I certify under penalty of law that this report and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief after due inquiry, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature

Name

Official Title

Telephone No.

Date Signed

B. Pursuant to 35 IAC 217.712(d), if demonstrating compliance through 35 IAC 217.706(a), by November 30 of each year beginning in 2003, submit to the Illinois EPA a report that demonstrates each EGU has not exceeded a NO_X emission rate of 0.25 lbs/MMBtu during the ozone control period.

C. Pursuant to 35 IAC 217.712(g), the Permittee shall submit copies of any records and data required by 35 IAC 217.712 to the Agency within 30 days after receipt of a written request by the Illinois EPA.

Section 5 – Additional Requirements

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

Section 6 – Insignificant Activities Requirements

1. Insignificant Activities Subject to Specific Regulations

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

Insignificant Activity	*Number of Units*	*Insignificant Activity Category*
Natural Gas-Fired Indirect Fuel Heaters – 3.71 mmBtu/hr	2	35 IAC 201.210(a)(1) and 201.211
Twin Cooling Towers	1	35 IAC 201.210(a)(1) and 201.211
Gas turbines and stationary reciprocating internal combustion engines between 112 KW and 1,118 KW (150 and 1,500 HP) that are emergency or standby units. Black Start Standby Diesel Engines – 700 HP	4	35 IAC 201.210(a)(16)

For each emission unit in Section 6.1, 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, each emission unit shall comply with the applicable requirements in Section 6.4.

a. Applicable Requirements for Indirect Fuel Heaters

i. Title I Requirements (Construction Permit #00090076)

A. Pursuant to Construction Permit #00090076: [T1]

I. Hourly emissions of NO_x, CO, and VOM from each indirect fuel heater shall not exceed 0.56 lb/hr, 0.34 lb/hr, and 0.22 lb/hr, respectively.

II. Annual emissions of NO_x, CO, and VOM from the indirect fuel heaters in total shall not exceed 4.90 ton/yr, 2.98 ton/yr, and 1.92 ton/yr, respectively.

Compliance Method

B. Pursuant to Construction Permit #00090076, the Permittee shall maintain daily records of the fuel consumption and/or operating hours for each indirect heater.

b. Applicable Requirements for Twin Cooling Towers

i. Title I Requirements (Construction Permit #99090035)

A. Pursuant to Construction Permit #99090035, emissions of PM from the cooling tower shall not exceed 19.68 lb/day and 3.6 ton/yr. [T1]

Compliance Method

B. Pursuant to Construction Permit #99090035, the Permittee shall keep records of the design calculation for particulate matter emissions from the cooling tower, with supporting data for design water flow rate, maximum solids content of water, and tower drift rate.

c. Applicable Requirements for Black Start Standby Diesel Engines

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

A. Pursuant to 40 CFR 63.6603, the Permittee shall meet the applicable emission limitations, operating limitations, and other requirements for each existing stationary RICE located at an area source of HAP emissions.

I. Pursuant to 40 CFR 63.6603(a) and Table 2d, Row 4 of 40 CFR 63 Subpart ZZZZ, for the emergency stationary CI RICE's, the Permittee shall:

1. Change oil and filter every 500 hours of operation or within 1 year plus 30 days of the previous change, whichever comes first;

aa. Sources have the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement.

2. Inspect air cleaner every 1,000 hours of operation or 1 year plus 30 days of the previous change, whichever comes first, and replace as necessary; and

3. Inspect all hoses and belts every 500 hours of operation or 1 year plus 30 days of the previous change, whichever comes first, and replace as necessary.

4. If the emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of 40 CFR 63 Subpart ZZZZ, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

B. Pursuant to 40 CFR 63.6604, the Permittee shall meet the applicable fuel requirements for each stationary CI RICE.

I. Pursuant to 40 CFR 63.6604, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates for the purpose specified in 40 CFR 63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 1090.305 for nonroad diesel fuel

C. Pursuant to 40 CFR 63.6605, the Permittee shall meet the applicable general requirements for complying with 40 CFR 63 Subpart ZZZZ.

D. Pursuant to 40 CFR 63.6612, for existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions, the Permittee shall conduct the initial performance tests or other initial compliance demonstrations by the applicable date.

E. Pursuant to 40 CFR 63.6620, the Permittee shall meet the applicable performance tests and other procedures.

F. Pursuant to 40 CFR 63.6625, the Permittee shall meet the applicable monitoring, installation, collection, operation, and maintenance requirements.

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

II. Pursuant to 40 CFR 63.6625(f), if you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

G. Pursuant to 40 CFR 63.6630, the Permittee shall demonstrate initial compliance with the emission limitations, operating limitations, and other requirements.

H. Pursuant to 40 CFR 63.6635, the Permittee shall monitor and collect data to demonstrate continuous compliance.

I. Pursuant to 40 CFR 63.6640, the Permittee shall demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements.

J. Pursuant to 40 CFR 63.6645, the Permittee shall meet the applicable notification requirements.

K. Pursuant to 40 CFR 63.6650, the Permittee shall meet the applicable reporting requirements.

L. Pursuant to 40 CFR 63.6655, the Permittee shall meet the applicable recordkeeping requirements.

M. Pursuant to 40 CFR 63.6660, the Permittee shall meet the applicable recordkeeping requirements.

N. Pursuant to 40 CFR 63.6665, the Permittee shall meet the applicable General Provisions in Table 8 to 40 CFR 63 Subpart ZZZZ. See Section 7.2(a).

ii. <u>Title I Requirements (Construction Permit #00090076)</u>

A. Pursuant to Construction Permit #00090076: [T1]

I. Emissions of NOx, CO, SO_2, and VOM from each black start diesel engines shall not exceed 16.48 lb/hr, 5.17 lb/hr, 2.69 lb/hr, and 0.71 lb/hr, respectively.

II. Annual emissions of NO_x, CO, SO_2, and VOM from the black start diesel engines in total shall not exceed 12.03 ton/yr, 3.77 ton/yr, 1.96 ton/yr, and 0.52 ton/yr, respectively.

III. Operation of the black start diesel standby engines in total shall not exceed 1460 hours per year.

IV. The only fuel fired in the black start diesel standby engines shall be diesel fuel.

Compliance Method

B. Pursuant to Construction Permit #00090076, the Permittee shall maintain daily records of fuel consumption and/or operating hours for each black start diesel standby engine.

2. Insignificant Activities in 35 IAC 201.210(a)

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

Insignificant Activity	*Number of Units*	*Insignificant Activity Category*
Storage tanks of virgin or rerefined distillate oil (including kerosene and diesel fuel), hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil. (4) Turbine Lube Oil Tank – 150 gallons (4) Hydraulic Start System Reservoir – 40 gallons (4) Generator Lube Oil Tank – 500 gallons (4) Turbine and Generator Lube Oil Tank – 1700 gallons	16	35 IAC 201.210(a)(11)

3. Insignificant Activities in 35 IAC 201.210(b)

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b)(1) through (29) 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) and 212.124.

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.

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

5. Compliance Method

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

a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

b. Potential to emit emission calculations before any air pollution control device for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

6. Notification Requirements for Insignificant Activities

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

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

i. Pursuant to 35 IAC 201.212(b), 35 IAC 201.146(kkk), and Sections 39.5(12)(a) and (b) of the Act, for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Section 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 lbs/hr and tons/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)(19) and is not currently identified in Section 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 2.6) shall not apply to any addition of an insignificant activity noted above.

b. Notification Required at Renewal

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) or 201.211 and is currently identified in Section 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 described in Section 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 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.

x. Notwithstanding conditions 7.1 above, a test plan need not be submitted under the following circumstances:

A. Where the Permittee intends to utilize a test plan previously submitted. However, the Permittee must submit a notice containing the following:

I. The purpose of the test;

II. Date the previously submitted test plan was submitted; and

III. A statement that the source is relying on a previously submitted test plan.

B. Where the source intends to use a standard test method or procedure. However, the Permittee must submit a notice containing the following:

I. The purpose of the test; and

II. The standard test method or procedure to be used.

b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.5(7)(a) of the Act as follows:

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

ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice.

c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) agree upon an alternative date in advance pursuant to Section 39.5(7)(a) of the Act. The Final Report shall include as a minimum:

i. General information including emission unit(s) tested.

ii. A summary of results.

iii. Discussion of conditions during each test run (malfunction/breakdown, start-up/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 2.4(b) pursuant to Section 39.5(7)(e)(ii) of the Act.

2. 40 CFR 63 Subpart A Requirements (NESHAP)

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

Pursuant to 40 CFR 63 Subparts A and ZZZZ, the Permittee shall apply the following applicable General Provisions as indicated:

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

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

40 CFR 63.8(g)	Data reduction	Yes	Except that provisions for COMS are not applicable. Averaging periods for demonstrating compliance are specified at 40 CFR 63.6635 and 63.6640.
40 CFR 63.9(a)	Applicability and State delegation of notification requirements	Yes	
40 CFR 63.9(b)(1)-(5)	Initial notifications	Yes	Except that 40 CFR 63.9(b)(3) is reserved. Except that 40 CFR 63.9(b) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(c)	Request for compliance extension	Yes	Except that 40 CFR 63.9(c) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(d)	Notification of special compliance requirements for new sources	Yes	Except that 40 CFR 63.9(d) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(e)	Notification of performance test	Yes	Except that 40 CFR 63.9(e) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(f)	Notification of visible emission (VE)/opacity test	No	Subpart ZZZZ does not contain opacity or VE standards.
40 CFR 63.9(g)(1)	Notification of performance evaluation	Yes	Except that 40 CFR 63.9(g) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(g)(2)	Notification of use of COMS data	No	Subpart ZZZZ does not contain opacity or VE standards.
40 CFR 63.9(g)(3)	Notification that criterion for alternative to RATA is exceeded	Yes	If alternative is in use. Except that 40 CFR 63.9(g) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(h)(1)-(6)	Notification of compliance status	Yes	Except that notifications for sources using a CEMS are due 30 days after completion of performance evaluations. 40 CFR 63.9(h)(4) is reserved. Except that 40 CFR 63.9(h) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(i)	Adjustment of submittal deadlines	Yes	
40 CFR 63.9(j)	Change in previous information	Yes	
40 CFR 63.9(k)	Electronic reporting procedures	Yes	Only as specified in 40 CFR 63.9(j), 63.6620, 63.6625, 63.6645, and 63.6650.
40 CFR 63.10(a)	Administrative provisions for recordkeeping/reporting	Yes	
40 CFR 63.10(b)(1)	Record retention	Yes	Except that the most recent 2 years of data do not have to be retained on site.
40 CFR 63.10(b)(2)(i)-(v)	Records related to SSM	No	
40 CFR 63.10(b)(2)(vi)-(xi)	Records	Yes	
40 CFR 63.10(b)(2)(xii)	Record when under waiver	Yes	

40 CFR 63.10(b)(2)(xiii)	Records when using alternative to RATA	Yes	For CO standard if using RATA alternative.
40 CFR 63.10(b)(2)(xiv)	Records of supporting documentation	Yes	
40 CFR 63.10(b)(3)	Records of applicability determination	Yes	
40 CFR 63.10(c)	Additional records for sources using CEMS	Yes	Except that 40 CFR 63.10(c)(2)-(4) and (9) are reserved.
40 CFR 63.10(d)(1)	General reporting requirements	Yes	
40 CFR 63.10(d)(2)	Report of performance test results	Yes	
40 CFR 63.10(d)(3)	Reporting opacity or VE observations	No	Subpart ZZZZ does not contain opacity or VE standards.
40 CFR 63.10(d)(4)	Progress reports	Yes	
40 CFR 63.10(d)(5)	Startup, shutdown, and malfunction reports	No	
40 CFR 63.10(e)(1) and (2)(i)	Additional CMS Reports	Yes	
40 CFR 63.10(e)(2)(ii)	COMS-related report	No	Subpart ZZZZ does not require COMS.
40 CFR 63.10(e)(3)	Excess emission and parameter exceedances reports	No	Excess emissions and exceedance reporting is specified in 40 CFR 63.6650.
40 CFR 63.10(e)(4)	Reporting COMS data	No	Subpart ZZZZ does not require COMS.
40 CFR 63.10(f)	Waiver for recordkeeping/reporting	Yes	
40 CFR 63.11	Flares	No	
40 CFR 63.12	State authority and delegations	Yes	
40 CFR 63.13	Addresses	Yes	
40 CFR 63.14	Incorporation by reference	Yes	
40 CFR 63.15	Availability of information	Yes	

3. Acid Rain Permit

ACID RAIN PROGRAM
PHASE II PERMIT

217-785-1705

Ameren Missouri
Attn: Michael Hutcheson
1901 Chouteau Avenue
PO Box 66149 (MC 602)
St. Louis, MO 63116

ORIS No.: 55202
IEPA I.D. No.: 145842AAA
Source/Unit: Ameren Missouri Pinckneyville Energy Center, CT01 – CT08
Date Received: August 29, 2024
Date Issued: TBD
Expiration Date: TBD

STATEMENT OF BASIS:

In accordance with Section 39.5(17)(b) of Illinois Environmental Protection Act and Titles IV and V of the Clean Air Act, the Illinois Environmental Protection Agency is issuing this Acid Rain Program permit to Ameren Missouri Pinckneyville Energy Center.

Sulfur Dioxide (SO_2) Allocations and Nitrogen Oxide (NO_X) Requirements for Each Affected Unit:

Affected Units: CT01 – CT08
SO_2 Allowances: These units are not entitled to an allocation of SO_2 allowances pursuant to 40 CFR Part 73.
NO_X Limitation: These units are not subject to a NO_x emissions limitation pursuant to 40 CFR Part 76.
PERMIT APPLICATION: The permit application, which includes SO_2 allowance requirements and other standard requirements, is attached and incorporated as part of this permit. The owners and operators of this source must comply with the standard requirements and special provisions set forth in the application.

COMMENTS, NOTES, AND JUSTIFICATIONS: This permit contains provisions related to SO_2 emissions and requires the owners and operators to hold SO_2 allowances to account for SO_2 emissions from the affected units. An allowance is a limited authorization to emit up to one ton of SO_2 during or after a specified calendar year. Although this plant is not eligible for an allowance allocated by USEPA, the owners or operators may obtain SO_2 allowances to cover emissions in accordance with the SO_2 allowance system requirements of 40 CFR Part 73. The transfer of allowances to and from a unit account does not necessitate a revision to the unit SO_2 allocations denoted in this permit (See 40 CFR 72.84).

This permit contains provisions related to NO_X emissions and requires the owners and operators to monitor NO_X emissions from affected units in accordance with applicable provisions of 40 CFR Part 75. These units are not subject to a NO_x emission limitation because USEPA has not adopted such limitations for combustion turbine generating units.

This Acid Rain Program permit does not authorize the construction and operation of the affected units as such matters are addressed by Titles I and V of the Clean Air Act. This permit also does not affect the source's responsibility to meet all other applicable local, state, and federal requirements.

If you have any questions regarding this permit, please contact Mert Nacir at 217-785-1705.

William D. Marr
Manager, Permit Section
Bureau of Air

WDM:RTH:MKN:tan

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

a. Permit Requirements

i. The designated representative of each affected source and each affected unit at the source shall:

A. Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and

B. Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit.

ii. The owners and operators of each affected source and each affected unit at the source shall:

A. Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and

B. Have an Acid Rain Permit.

b. Monitoring Requirements

i. The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.

ii. The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.

iii. The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

c. Sulfur Dioxide Requirements

i. The owners and operators of each source and each affected unit at the source shall:

A. Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and

B. Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

ii. Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.

iii. An affected unit shall be subject to the requirements under Section 7.4(c)(i) as follows:

A. Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or

B. Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

iv. Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.

v. An allowance shall not be deducted in order to comply with the requirements under Section 7.4(c)(i) prior to the calendar year for which the allowance was allocated.

vi. An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

vii. An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

d. Nitrogen Oxides Requirements

i. The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

e. Excess Emissions Requirements

i. The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.

ii. The owners and operators of an affected source that has excess emissions in any calendar year shall:

A. Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and

B. Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

f. Recordkeeping and Reporting Requirements

i. Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:

A. The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;

B. All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

C. Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and

D. Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

ii. The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

g. Liability

i. Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.

ii. Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.

iii. No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.

iv. Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.

v. Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.

vi. Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.

vii. Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

h. Effect on Other Authorities

i. No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

A. Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

B. Limiting the number of allowances a source can hold; provided, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;

C. Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

D. Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or

E. Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

4. Cross-State Air Pollution Rule (CSAPR)

a. Emission Units Subject to CSAPR

i. The following monitoring requirements apply to CT01 – CT04

Monitoring Requirement	SO_2	NO_X
Continuous Emission Monitoring System (40 CFR 75 Subpart B or H, as applicable)		X
An Excepted Monitoring System (40 CFR 75 Appendices D or E, as applicable)	X	
A Low Mass Emissions Excepted Monitoring Methodology (40 CFR 75.19)		
An Alternative Monitoring System (40 CFR 75 Subpart E)		

ii. The following monitoring requirements apply to CT05 – CT08

Monitoring Requirement	SO_2	NO_X
Continuous Emission Monitoring System (40 CFR 75 Subpart B or H, as applicable)		
An Excepted Monitoring System (40 CFR 75 Appendices D or E, as applicable)	X	X
A Low Mass Emissions Excepted Monitoring Methodology (40 CFR 75.19)		
An Alternative Monitoring System (40 CFR 75 Subpart E)		

b. CSAPR NO_X Annual Trading Program Requirements (40 CFR 97 Subpart AAAAA)

i. Pursuant to 40 CFR 97.406(a), the owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.413 through 97.418.

ii. A. Pursuant to 40 CFR 97.406(c)(1)(i), as of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO_X Annual source and each CSAPR NO_X Annual unit at the source shall hold, in the source's compliance account, CSAPR NO_X Annual allowances available for deduction for such control period under 40 CFR 97.424(a) in an amount not less than the tons of total NO_X emissions for such control period from all CSAPR NO_X Annual units at the source.

B. Pursuant to 40 CFR 97.406(c)(2)(ii), if total NO_X emissions during a control period in a given year from the CSAPR NO_X Annual units at a CSAPR NO_X Annual source are in excess of the CSAPR NO_X Annual emissions limitation set forth in 40 CFR 97.406(c)(1)(i), then:

I. The owners and operators of the source and each CSAPR NO_X Annual unit at the source shall hold the CSAPR NO_X Annual allowances required for deduction under 40 CFR 97.424(d); and

II. The owners and operators of the source and each CSAPR NO_X Annual unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR 97 Subpart AAAAA and the Clean Air Act.

iii. A. Pursuant to 40 CFR 97.406(c)(2)(i), if total NO_X emissions during a control period in a given year from all CSAPR NO_X Annual units at CSAPR NO_X Annual sources in a State (and Indian country within the borders of such State) exceed the State assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_X emissions during such control period exceeds the common designated representative's assurance level for the State and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_X Annual allowances available for deduction for such control period under 40 CFR 97.425(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.425(b), of multiplying—

I. The quotient of the amount by which the common designated representative's share of such NO_X emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the State (and Indian country within the borders of such State) for such control period, by which each common designated representative's share of such NO_X emissions exceeds the respective common designated representative's assurance level; and

II. The amount by which total NO_X emissions from all CSAPR NO_X Annual units at CSAPR NO_X Annual sources in the State (and Indian country within the borders of such State) for such control period exceed the State assurance level.

B. Pursuant to 40 CFR 97.406(c)(2)(ii), the owners and operators shall hold the CSAPR NO_X Annual allowances required under 40 CFR 97.406(c)(2)(i), as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after the year of such control period.

C. Pursuant to 40 CFR 97.406(c)(2)(iii), total NO_X emissions from all CSAPR NO_X Annual units at CSAPR NO_X Annual sources in a State (and Indian country within the borders of such State) during a control period in a given year exceed the State assurance level if such total NO_X emissions exceed the sum, for such control period, of the State NO_X Annual trading budget under 40 CFR 97.410(a) and the State's variability limit under 40 CFR 97.410(b).

D. Pursuant to 40 CFR 97.406(c)(2)(iv), it shall not be a violation of 40 CFR 97 Subpart AAAAA or of the Clean Air Act if total NO_X emissions from all CSAPR NO_X Annual units at CSAPR NO_X Annual sources in a State (and Indian country within the borders of such State) during a control period exceed the State assurance level or if a common designated representative's share of total NO_X emissions from the CSAPR NO_X Annual units at CSAPR NO_X Annual sources in a State (and Indian country within the borders of such State) during a control period exceeds the common designated representative's assurance level.

E. Pursuant to 40 CFR 97.406(c)(2)(v), to the extent the owners and operators fail to hold CSAPR NO_X Annual allowances for a control period in a given year in accordance with 40 CFR 97.406(c)(2)(i) through (iii),

I. The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

II. Each CSAPR NO_X Annual allowance that the owners and operators fail to hold for such control period in accordance with 40 CFR 97.406(c)(2)(i) through (iii) and each day of such control period shall constitute a separate violation of 40 CFR 97 Subpart AAAAA and the Clean Air Act.

iv. A. Pursuant to 40 CFR 97.406(c)(3)(i), a CSAPR NO_X Annual unit shall be subject to the requirements under 40 CFR 97.406(c)(1) for the control period starting on the later of January 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.

B. Pursuant to 40 CFR 97.406(c)(3)(ii), a CSAPR NO_X Annual unit shall be subject to the requirements under 40 CFR 97.406(c)(2) for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.

v. A. Pursuant to 40 CFR 97.406(c)(4)(i), a CSAPR NO_X Annual allowance held for compliance with the requirements under 40 CFR 97.406(c)(1)(i) for a control period in a given year must be a CSAPR NO_X Annual allowance that was allocated or auctioned for such control period or a control period in a prior year.

B. Pursuant to 40 CFR 97.406(c)(4)(ii), a CSAPR NO_X Annual allowance held for compliance with the requirements under 40 CFR 97.406(c)(1)(ii)(A) and 40 CFR 97.406(c)(2)(i) through (iii) for a control period in a given year must be a CSAPR NO_X Annual allowance that was allocated or auctioned for a control period in a prior year or the control period in the given year or in the immediately following year.

vi. Pursuant to 40 CFR 97.406(c)(5), each CSAPR NO_X Annual allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR 97 Subpart AAAAA.

vii. Pursuant to 40 CFR 97.406(c)(6), a CSAPR NO_X Annual allowance is a limited authorization to emit one ton of NO_X during the control period in one year. Such authorization is limited in its use and duration as follows:

A. Such authorization shall only be used in accordance with the CSAPR NO_X Annual Trading Program; and

B. Notwithstanding any other provision of 40 CFR 97 Subpart AAAAA, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

viii. Pursuant to 40 CFR 97.406(c)(7), a CSAPR NO_X Annual allowance does not constitute a property right.

ix. A. Pursuant to 40 CFR 97.406(f)(1), any provision of the CSAPR NO_X Annual Trading Program that applies to a CSAPR NO_X Annual source or the designated representative of a CSAPR NO_X Annual source shall also apply to the owners and operators of such source and of the CSAPR NO_X Annual units at the source.

B. Pursuant to 40 CFR 97.406(f)(2), any provision of the CSAPR NO_X Annual Trading Program that applies to a CSAPR NO_X Annual unit or the designated representative of a CSAPR NO_X Annual unit shall also apply to the owners and operators of such unit.

x. Pursuant to 40 CFR 97.406(g), no provision of the CSAPR NO_X Annual Trading Program or exemption under 40 CFR 97.405 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NO_X Annual source or CSAPR NO_X Annual unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

xi. Pursuant to 40 CFR 97.430(d)(2), no owner or operator of a CSAPR NO_X Annual unit shall operate the unit so as to discharge, or allow to be discharged, NOX to the atmosphere without accounting for all such NO_X in accordance with the applicable provisions of 40 CFR 97 Subpart AAAAA and 40 CFR Part 75.

xii. Pursuant to 40 CFR 97.430(e), the owner or operator of a CSAPR NO_X Annual unit is subject to the applicable provisions of 40 CFR 75.4(d) concerning units in long-term cold storage.

c. <u>Compliance Method (CSAPR NO_X Annual Trading Program)</u>

i. A. Pursuant to 40 CFR 97.406(b)(1), the owners and operators, and the designated representative, of each CSAPR NO_X Annual source and each CSAPR NO_X Annual unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.430 through 97.435.

B. Pursuant to 40 CFR 97.406(b)(2), the emissions data determined in accordance with 40 CFR 97.430 through 97.435 shall be used to calculate allocations of CSAPR NO_X Annual allowances under 40 CFR 97.411(a)(2) and (b) and 40 CFR 97.412 and to determine compliance with the CSAPR NO_X Annual emissions limitation and assurance provisions under 40 CFR 97.406(c), provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.430 through 97.435 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

ii. Pursuant to 40 CFR 97.430, the owners and operators, and to the extent applicable, the designated representative, of a CSAPR NO_X Annual unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in 40 CFR 97 Subpart AAAAA and 40 CFR 75 Subpart H. For purposes of applying such requirements, the definitions in 40 CFR 97.402 and in 40 CFR 72.2 shall apply, the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CSAPR NO_X Annual unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") respectively as defined in 40 CFR 97.402, and the term "newly affected unit" shall be deemed to mean "newly affected CSAPR NO_X Annual unit". The owner or operator of a unit that is not a CSAPR NO_X Annual unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CSAPR NO_X Annual unit.

Monitoring

iii. Pursuant to 40 CFR 97.430(a), the owner or operator of each CSAPR NO_X Annual unit shall:

A. Install all monitoring systems required under 40 CFR 97 Subpart AAAAA for monitoring NO_X mass emissions and individual unit heat input (including all systems required to monitor NO_X emission rate, NO_X concentration, stack gas moisture content, stack gas flow rate, CO_2 or O_2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 75.72);

B. Successfully complete all certification tests required under 40 CFR 97.431 and meet all other requirements of 40 CFR 97 Subpart AAAAA and 40 CFR Part 75 applicable to the monitoring systems under 40 CFR 97.430(a)(1); and

C. Record, report, and quality-assure the data from the monitoring systems under 40 CFR 97.430(a)(1).

iv. Pursuant to 40 CFR 97.430(d)(3), no owner or operator of a CSAPR NO_X Annual unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO_X mass discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of 40 CFR 97 Subpart AAAAA and 40 CFR Part 75.

v. Pursuant to 40 CFR 97.430(d)(4), no owner or operator of a CSAPR NO_X Annual unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under 40 CFR 97 Subpart AAAAA, except under any one of the following circumstances:

A. During the period that the unit is covered by an exemption under 40 CFR 97.405 that is in effect;

B. The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of 40 CFR 97 Subpart AAAAA and 40 CFR Part 75, by the Administrator for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or

C. The designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with 40 CFR 97.431(d)(3)(i).

vi. A. Pursuant to 40 CFR 97.432(a), whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in 40 CFR 75 Subpart D or 40 CFR 75 Subpart H, or appendix D or appendix E to 40 CFR Part 75.

B. Pursuant to 40 CFR 97.432(b), whenever both an audit of a monitoring system and a review of the initial certification or recertification application reveal that any monitoring system should not have been certified or recertified because it did not meet a particular performance specification or other requirement under 40 CFR 97.431 or the applicable provisions of 40 CFR Part 75, both at the time of the initial certification or recertification application submission and at the time of the audit, the Administrator will issue a notice of disapproval of the certification status of such monitoring system. For the purposes of this paragraph, an audit shall be either a field audit or an

audit of any information submitted to the Administrator or any State or permitting authority. By issuing the notice of disapproval, the Administrator revokes prospectively the certification status of the monitoring system. The data measured and recorded by the monitoring system shall not be considered valid quality-assured data from the date of issuance of the notification of the revoked certification status until the date and time that the owner or operator completes subsequently approved initial certification or recertification tests for the monitoring system. The owner or operator shall follow the applicable initial certification or recertification procedures in 40 CFR 97.431 for each disapproved monitoring system.

Recordkeeping

vii. Pursuant to 40 CFR 97.406(e)(1), unless otherwise provided, the owners and operators of each CSAPR NO_X Annual source and each CSAPR NO_X Annual unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

A. The certificate of representation under 40 CFR 97.416 for the designated representative for the source and each CSAPR NO_X Annual unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.416 changing the designated representative.

B. All emissions monitoring information, in accordance with 40 CFR 97 Subpart AAAAA.

C. Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NO_X Annual Trading Program.

viii. Pursuant to 40 CFR 97.434(a), the designated representative shall comply with all recordkeeping and reporting requirements in 40 CFR 97.434(b) through (e), the applicable recordkeeping and reporting requirements under 40 CFR 75.73, and the requirements of 40 CFR 97.414(a).

ix. Pursuant to 40 CFR 97.434(b), the owner or operator of a CSAPR NO_X Annual unit shall comply with the requirements of 40 CFR 75.73(c) and (e).

Reporting

x. Pursuant to 40 CFR 97.406(e)(2), the designated representative of a CSAPR NO_X Annual source and each CSAPR NO_X Annual unit at the source shall make all submissions required under the CSAPR NO_X Annual Trading Program, except as provided in 40 CFR 97.418. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR Parts 70 and 71.

xi. Pursuant to 40 CFR 97.430(c), the owner or operator of a CSAPR NO_X Annual unit that does not meet the applicable compliance date set forth in 40 CFR 97.430(b) for any monitoring system under 40 CFR 97.430(a)(1) shall, for each such monitoring system, determine, record, and report maximum potential (or, as appropriate, minimum potential) values for NO_X concentration, NO_X emission rate, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine NO_X

mass emissions and heat input in accordance with 40 CFR 75.31(b)(2) or (c)(3), section 2.4 of appendix D to 40 CFR Part 75, or section 2.5 of appendix E to 40 CFR Part 75, as applicable.

xii. Pursuant to 40 CFR 97.433, the designated representative of a CSAPR NO_X Annual unit shall submit written notice to the Administrator in accordance with 40 CFR 75.61.

xiii. Pursuant to 40 CFR 97.434(c), the designated representative shall submit an application to the Administrator within 45 days after completing all initial certification or recertification tests required under 40 CFR 97.431, including the information required under 40 CFR 75.63.

xiv. Pursuant to 40 CFR 97.434(d), the designated representative shall submit quarterly reports, as follows:

A. The designated representative shall report the NO_X mass emissions data and heat input data for a CSAPR NO_X Annual unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the later of:

I. The calendar quarter covering January 1, 2015 through March 31, 2015; or

II. The calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under 40 CFR 97.430(b).

B. The designated representative shall submit each quarterly report to the Administrator within 30 days after the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

C. For CSAPR NO_X Annual units that are also subject to the Acid Rain Program, CSAPR NO_X Ozone Season Group 1 Trading Program, CSAPR NO_X Ozone Season Group 2 Trading Program, CSAPR NO_X Ozone Season Group 3 Trading Program, CSAPR SO_2 Group 1 Trading Program, or CSAPR SO_2 Group 2 Trading Program, quarterly reports shall include the applicable data and information required by 40 CFR 75 Subparts F through H as applicable, in addition to the NO_X mass emission data, heat input data, and other information required by 40 CFR 97 Subpart AAAAA.

D. The Administrator may review and conduct independent audits of any quarterly report in order to determine whether the quarterly report meets the requirements of 40 CFR 97 Subpart AAAAA and 40 CFR Part 75, including the requirement to use substitute data.

I. The Administrator will notify the designated representative of any determination that the quarterly report fails to meet any such requirements and specify in such notification any corrections that the Administrator believes are necessary to make through resubmission of the quarterly report and a reasonable time period within which the designated representative must respond. Upon request by the designated representative, the Administrator may specify reasonable extensions of such time period. Within the time period (including any such extensions) specified by the Administrator, the designated representative shall resubmit the quarterly report with the corrections specified by the Administrator, except to the extent the designated representative provides information demonstrating that a specified correction is not necessary because the quarterly report already meets the requirements of 40 CFR 97 Subpart AAAAA and 40 CFR Part 75 that are relevant to the specified correction.

II. Any resubmission of a quarterly report shall meet the requirements applicable to the submission of a quarterly report under 40 CFR 97 Subpart AAAAA and 40 CFR Part 75, except for the deadline set forth in 40 CFR 97.434(d)(2).

xv. Pursuant to 40 CFR 97.434(e), the designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

A. The monitoring data submitted were recorded in accordance with the applicable requirements of 40 CFR 97 Subpart AAAAA and 40 CFR Part 75, including the quality assurance procedures and specifications; and

B. For a unit with add-on NO_X emission controls and for all hours where NO_X data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NO_X emissions.

d. <u>CSAPR SO_2 Group 1 Trading Program Requirements (40 CFR 97 Subpart CCCCC)</u>

i. Pursuant to 40 CFR 97.606(a), the owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.613 through 97.618.

ii. A. Pursuant to 40 CFR 97.606(c)(1)(i), as of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR SO_2 Group 1 source and each CSAPR SO_2 Group 1 unit at the source shall hold, in the source's compliance account, CSAPR SO_2 Group 1 allowances available for deduction for such control period under 40 CFR 97.624(a) in an amount not less than the tons of total SO_2 emissions for such control period from all CSAPR SO_2 Group 1 units at the source.

B. Pursuant to 40 CFR 97.606(c)(1)(ii), if total SO_2 emissions during a control period in a given year from the CSAPR SO_2 Group 1 units at a CSAPR SO_2 Group 1 source are in excess of the CSAPR SO_2 Group 1 emissions limitation set forth in 40 CFR 97.606(c)(1)(i), then:

I. The owners and operators of the source and each CSAPR SO_2 Group 1 unit at the source shall hold the CSAPR SO_2 Group 1 allowances required for deduction under 40 CFR 97.624(d); and

II. The owners and operators of the source and each CSAPR SO_2 Group 1 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR 97 Subpart CCCCC and the Clean Air Act.

iii. A. Pursuant to 40 CFR 97.606(c)(2)(i), if total SO_2 emissions during a control period in a given year from all CSAPR SO_2 Group 1 units at CSAPR SO_2 Group 1 sources in a State (and Indian country within the borders of such State) exceed the State assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated

representative's share of such SO_2 emissions during such control period exceeds the common designated representative's assurance level for the State and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR SO_2 Group 1 allowances available for deduction for such control period under 40 CFR 97.625(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.625(b), of multiplying—

I. The quotient of the amount by which the common designated representative's share of such SO_2 emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the State (and Indian country within the borders of such State) for such control period, by which each common designated representative's share of such SO_2 emissions exceeds the respective common designated representative's assurance level; and

II. The amount by which total SO_2 emissions from all CSAPR SO_2 Group 1 units at CSAPR SO_2 Group 1 sources in the State (and Indian country within the borders of such State) for such control period exceed the State assurance level.

B. Pursuant to 40 CFR 97.606(c)(2)(ii), the owners and operators shall hold the CSAPR SO_2 Group 1 allowances required under 40 CFR 97.606(c)(2)(i), as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after the year of such control period.

C. Pursuant to 40 CFR 97.606(c)(2)(iii), total SO_2 emissions from all CSAPR SO_2 Group 1 units at CSAPR SO_2 Group 1 sources in a State (and Indian country within the borders of such State) during a control period in a given year exceed the State assurance level if such total SO_2 emissions exceed the sum, for such control period, of the State SO_2 Group 1 trading budget under 40 CFR 97.610(a) and the State's variability limit under 40 CFR 97.610(b).

D. Pursuant to 40 CFR 97.606(c)(2)(iv), it shall not be a violation of 40 CFR 97 Subpart CCCCC or of the Clean Air Act if total SO_2 emissions from all CSAPR SO_2 Group 1 units at CSAPR SO_2 Group 1 sources in a State (and Indian country within the borders of such State) during a control period exceed the State assurance level or if a common designated representative's share of total SO_2 emissions from the CSAPR SO_2 Group 1 units at CSAPR SO_2 Group 1 sources in a State (and Indian country within the borders of such State) during a control period exceeds the common designated representative's assurance level.

E. Pursuant to 40 CFR 97.606(c)(2)(v), to the extent the owners and operators fail to hold CSAPR SO_2 Group 1 allowances for a control period in a given year in accordance with 40 CFR 97.606(c)(2)(i) through (iii),

I. The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

II. Each CSAPR SO_2 Group 1 allowance that the owners and operators fail to hold for such control period in accordance with 40 CFR 97.606(c)(2)(i) through (iii) and each day of such control period shall constitute a separate violation of 40 CFR 97 Subpart CCCCC and the Clean Air Act.

iv. A. Pursuant to 40 CFR 97.606(c)(3)(i), a CSAPR SO_2 Group 1 unit shall be subject to the requirements under 40 CFR 97.606(c)(1) for the control period starting on the later of January 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.

B. Pursuant to 40 CFR 97.606(c)(3)(ii), a CSAPR SO_2 Group 1 unit shall be subject to the requirements under 40 CFR 97.606(c)(2) for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.

v. A. Pursuant to 40 CFR 97.606(c)(4)(i), a CSAPR SO_2 Group 1 allowance held for compliance with the requirements under 40 CFR 97.606(c)(1)(i) for a control period in a given year must be a CSAPR SO_2 Group 1 allowance that was allocated or auctioned for such control period or a control period in a prior year.

B. Pursuant to 40 CFR 97.606(c)(4)(ii), a CSAPR SO_2 Group 1 allowance held for compliance with the requirements under 40 CFR 97.606(c)(1)(ii)(A) and 40 CFR 97.606(c)(2)(i) through (iii) for a control period in a given year must be a CSAPR SO_2 Group 1 allowance that was allocated or auctioned for a control period in a prior year or the control period in the given year or in the immediately following year.

vi. Pursuant to 40 CFR 97.606(c)(5), each CSAPR SO_2 Group 1 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR 97 Subpart CCCCC.

vii. Pursuant to 40 CFR 97.606(c)(6), a CSAPR SO_2 Group 1 allowance is a limited authorization to emit one ton of SO_2 during the control period in one year. Such authorization is limited in its use and duration as follows:

A. Such authorization shall only be used in accordance with the CSAPR SO_2 Group 1 Trading Program; and

B. Notwithstanding any other provision of 40 CFR 97 Subpart CCCCC, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

viii. Pursuant to 40 CFR 97.606(c)(7), a CSAPR SO_2 Group 1 allowance does not constitute a property right.

ix. A. Pursuant to 40 CFR 97.606(f)(1), any provision of the CSAPR SO_2 Group 1 Trading Program that applies to a CSAPR SO_2 Group 1 source or the designated representative of a CSAPR SO_2 Group 1 source shall also apply to the owners and operators of such source and of the CSAPR SO_2 Group 1 units at the source.

B. Pursuant to 40 CFR 97.606(f)(2), any provision of the CSAPR SO_2 Group 1 Trading Program that applies to a CSAPR SO_2 Group 1 unit or the designated representative of a CSAPR SO_2 Group 1 unit shall also apply to the owners and operators of such unit.

x. Pursuant to 40 CFR 97.606(g), no provision of the CSAPR SO_2 Group 1 Trading Program or exemption under 40 CFR 97.605 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR SO_2 Group 1 source or CSAPR SO_2 Group 1 unit from compliance

with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

xi. Pursuant to 40 CFR 97.630(d)(2), no owner or operator of a CSAPR SO_2 Group 1 unit shall operate the unit so as to discharge, or allow to be discharged, SO_2 to the atmosphere without accounting for all such SO_2 in accordance with the applicable provisions of 40 CFR 97 Subpart CCCCC and 40 CFR Part 75.

xii. Pursuant to 40 CFR 97.630(e), the owner or operator of a CSAPR SO_2 Group 1 unit is subject to the applicable provisions of 40 CFR 75.4(d) concerning units in long-term cold storage.

e. <u>Compliance Method (CSAPR SO_2 Group 1 Trading Program)</u>

i. A. Pursuant to 40 CFR 97.606(b)(1), the owners and operators, and the designated representative, of each CSAPR SO_2 Group 1 source and each CSAPR SO_2 Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.630 through 97.635.

B. Pursuant to 40 CFR 97.606(b)(2), the emissions data determined in accordance with 40 CFR 97.630 through 97.635 shall be used to calculate allocations of CSAPR SO_2 Group 1 allowances under 40 CFR 97.611(a)(2) and (b) and 40 CFR 97.612 and to determine compliance with the CSAPR SO_2 Group 1 emissions limitation and assurance provisions under 40 CFR 97.606(c), provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.630 through 97.635 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

ii. Pursuant to 40 CFR 97.630, the owners and operators, and to the extent applicable, the designated representative, of a CSAPR SO_2 Group 1 unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in 40 CFR 97 Subpart CCCCC and 40 CFR 75 Subparts F and G. For purposes of applying such requirements, the definitions in 40 CFR 97.602 and in 40 CFR 72.2 shall apply, the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CSAPR SO_2 Group 1 unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") respectively as defined in 40 CFR 97.602, and the term "newly affected unit" shall be deemed to mean "newly affected CSAPR SO_2 Group 1 unit". The owner or operator of a unit that is not a CSAPR SO_2 Group 1 unit but that is monitored under 40 CFR 75.16(b)(2) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CSAPR SO_2 Group 1 unit.

<u>Monitoring</u>

iii. Pursuant to 40 CFR 97.630(a), the owner or operator of each CSAPR SO_2 Group 1 unit shall:

A. Install all monitoring systems required under 40 CFR 97 Subpart CCCCC for monitoring SO_2 mass emissions and individual unit heat input (including all systems required to monitor SO_2 concentration, stack gas moisture content, stack gas flow rate, CO_2 or O_2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.11 and 75.16);

B. Successfully complete all certification tests required under 40 CFR 97.631 and meet all other requirements of 40 CFR 97 Subpart CCCCC and 40 CFR Part 75 applicable to the monitoring systems under 40 CFR 97.630(a)(1); and

C. Record, report, and quality-assure the data from the monitoring systems under 40 CFR 97.630(a)(1).

iv. Pursuant to 40 CFR 97.630(d)(3), no owner or operator of a CSAPR SO_2 Group 1 unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording SO_2 mass discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of 40 CFR 97 Subpart CCCCC and 40 CFR Part 75.

v. Pursuant to 40 CFR 97.630(d)(4), no owner or operator of a CSAPR SO_2 Group 1 unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under 40 CFR 97 Subpart CCCCC, except under any one of the following circumstances:

A. During the period that the unit is covered by an exemption under 40 CFR 97.605 that is in effect;

B. The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of 40 CFR 97 Subpart CCCCC and 40 CFR Part 75, by the Administrator for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or

C. The designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with 40 CFR 97.631(d)(3)(i).

vi. A. Pursuant to 40 CFR 97.632(a), whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in 40 CFR 97 Subpart D, or appendix D to 40 CFR Part 75.

B. Pursuant to 40 CFR 97.632(b), whenever both an audit of a monitoring system and a review of the initial certification or recertification application reveal that any monitoring system should not have been certified or recertified because it did not meet a particular performance specification or other requirement under 40 CFR 97.631 or the applicable provisions of 40 CFR Part 75, both at the time of the initial certification or recertification application submission and at the time of the audit, the Administrator will issue a notice of disapproval of the certification status of such monitoring system. For the purposes of this paragraph, an audit shall be either a field audit or an audit of any information submitted to the Administrator or any State or permitting authority. By issuing the notice of disapproval, the Administrator revokes prospectively the certification status of the monitoring system. The data measured and recorded by the monitoring system shall not be considered valid quality-assured data from the date of issuance of the notification of the revoked certification status until the date and time that the owner or operator completes subsequently approved initial certification or recertification tests for the monitoring system. The owner or operator shall follow the applicable initial certification or recertification procedures in 40 CFR 97.631 for each disapproved monitoring system.

Recordkeeping

vii. Pursuant to 40 CFR 97.606(e)(1), unless otherwise provided, the owners and operators of each CSAPR SO_2 Group 1 source and each CSAPR SO_2 Group 1 unit at the source shall keep on site at the source each

of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

A. The certificate of representation under 40 CFR 97.616 for the designated representative for the source and each CSAPR SO_2 Group 1 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.616 changing the designated representative.

B. All emissions monitoring information, in accordance with 40 CFR 97 Subpart CCCCC.

C. Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR SO_2 Group 1 Trading Program.

viii. Pursuant to 40 CFR 97.634(a), the designated representative shall comply with all recordkeeping and reporting requirements in 40 CFR 97.634(b) through (e), the applicable recordkeeping and reporting requirements in 40 CFR 75 Subparts F and G, and the requirements of 40 CFR 97.614(a).

ix. Pursuant to 40 CFR 97.634(b), the owner or operator of a CSAPR SO_2 Group 1 unit shall comply with the requirements of 40 CFR 75.62.

Reporting

x. Pursuant to 40 CFR 97.606(e)(2), the designated representative of a CSAPR SO_2 Group 1 source and each CSAPR SO_2 Group 1 unit at the source shall make all submissions required under the CSAPR SO_2 Group 1 Trading Program, except as provided in 40 CFR 97.618. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR Parts 70 and 71.

xi. Pursuant to 40 CFR 97.630(c), the owner or operator of a CSAPR SO_2 Group 1 unit that does not meet the applicable compliance date set forth in 40 CFR 97.630(b) for any monitoring system under 40 CFR 97.630(a)(1) shall, for each such monitoring system, determine, record, and report maximum potential (or, as appropriate, minimum potential) values for SO_2 concentration, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine SO_2 mass emissions and heat input in accordance with 40 CFR 75.31(b)(2) or (c)(3) or section 2.4 of appendix D to 40 CFR Part 75, as applicable.

xii. Pursuant to 40 CFR 97.633, the designated representative of a CSAPR SO_2 Group 1 unit shall submit written notice to the Administrator in accordance with 40 CFR 75.61.

xiii. Pursuant to 40 CFR 97.634(c), the designated representative shall submit an application to the Administrator within 45 days after completing all initial certification or recertification tests required under 40 CFR 97.631, including the information required under 40 CFR 75.63.

xiv. Pursuant to 40 CFR 97.634(d), the designated representative shall submit quarterly reports, as follows:

A. The designated representative shall report the SO_2 mass emissions data and heat input data for a CSAPR SO_2 Group 1 unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the later of:

I. The calendar quarter covering January 1, 2015 through March 31, 2015; or

II. The calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under 40 CFR 97.630(b).

B. The designated representative shall submit each quarterly report to the Administrator within 30 days after the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.64.

C. For CSAPR SO_2 Group 1 units that are also subject to the Acid Rain Program, CSAPR NO_X Annual Trading Program, CSAPR NO_X Ozone Season Group 1 Trading Program, CSAPR NO_X Ozone Season Group 2 Trading Program, or CSAPR NO_X Ozone Season Group 3 Trading Program, quarterly reports shall include the applicable data and information required by 40 CFR 75 Subparts F through H as applicable, in addition to the SO_2 mass emission data, heat input data, and other information required by 40 CFR 97 Subpart CCCCC.

D. The Administrator may review and conduct independent audits of any quarterly report in order to determine whether the quarterly report meets the requirements of 40 CFR 97 Subpart CCCCC and 40 CFR Part 75, including the requirement to use substitute data.

I. The Administrator will notify the designated representative of any determination that the quarterly report fails to meet any such requirements and specify in such notification any corrections that the Administrator believes are necessary to make through resubmission of the quarterly report and a reasonable time period within which the designated representative must respond. Upon request by the designated representative, the Administrator may specify reasonable extensions of such time period. Within the time period (including any such extensions) specified by the Administrator, the designated representative shall resubmit the quarterly report with the corrections specified by the Administrator, except to the extent the designated representative provides information demonstrating that a specified correction is not necessary because the quarterly report already meets the requirements of 40 CFR 97 Subpart CCCCC and 40 CFR Part 75 that are relevant to the specified correction.

II. Any resubmission of a quarterly report shall meet the requirements applicable to the submission of a quarterly report under 40 CFR 97 Subpart CCCCC and 40 CFR Part 75, except for the deadline set forth in 40 CFR 97.634(d)(2).

xv. Pursuant to 40 CFR 97.634(e), the designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

A. The monitoring data submitted were recorded in accordance with the applicable requirements of 40 CFR 97 Subpart CCCCC and 40 CFR Part 75, including the quality assurance procedures and specifications; and

B. For a unit with add-on SO_2 emission controls and for all hours where SO_2 data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate SO_2 emissions.

f. <u>CSAPR NO_X Ozone Season Group 2 Trading Program Requirements (40 CFR 97 Subpart EEEEE)</u>

Note: Illinois was previously classified as a CSAPR NO_X Ozone Season Group 3 source under 40 CFR 52.38(b)(2)(iii)(A). However, as addressed in 40 CFR 52.38(b)(2)(iii)(D)(4), the effectiveness of 40 CFR 52.38(b)(2)(iii)(A) is stayed for sources in Illinois with regard to emissions occurring in 2024 and thereafter. While this stay is in effect for Illinois, Illinois shall be deemed not to be listed in 40 CFR 52.38(b)(2)(iii)(A) for purposes of 40 CFR Part 97 for a control period after 2023.

Note: As addressed in 40 CFR 52.38(b)(2)(ii)(D)(1)(i), while a stay under 40 CFR 52.38(b)(2)(iii)(D)(4) is in effect for the sources in Illinois with regard to emissions occurring in a control period in a given year, the provisions of 40 CFR 97 Subpart EEEEE shall apply to the sources in Illinois with regard to emissions occurring in such control period.

i. Pursuant to 40 CFR 97.806(a), the owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.813 through 97.818.

ii. A. Pursuant to 40 CFR 97.806(c)(1)(i), as of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO_X Ozone Season Group 2 source and each CSAPR NO_X Ozone Season Group 2 unit at the source shall hold, in the source's compliance account, CSAPR NO_X Ozone Season Group 2 allowances available for deduction for such source for such control period under 40 CFR 97.824(a) in an amount not less than the tons of total NO_X emissions for such control period from all CSAPR NO_X Ozone Season Group 2 units at the source.

B. Pursuant to 40 CFR 97.806(c)(1)(ii), if total NO_X emissions during a control period in a given year from the CSAPR NO_X Ozone Season Group 2 units at a CSAPR NO_X Ozone Season Group 2 source are in excess of the CSAPR NO_X Ozone Season Group 2 emissions limitation set forth in 40 CFR 97.806(c)(1)(i), then:

I. The owners and operators of the source and each CSAPR NO_X Ozone Season Group 2 unit at the source shall hold the CSAPR NO_X Ozone Season Group 2 allowances required for deduction under 40 CFR 97.824(d); and

II. The owners and operators of the source and each CSAPR NO_X Ozone Season Group 2 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR 97 Subpart EEEEE and the Clean Air Act.

iii. A. Pursuant to 40 CFR 97.806(c)(2)(i), if total NO_X emissions during a control period in a given year from all CSAPR NO_X Ozone Season Group 2 units at CSAPR NO_X Ozone Season Group 2 sources in a State (and Indian country within the borders of such State) exceed the State assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the

common designated representative's share of such NO_X emissions during such control period exceeds the common designated representative's assurance level for the State and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_X Ozone Season Group 2 allowances available for deduction for such group for such control period under 40 CFR 97.825(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.825(b), of multiplying—

I. The quotient of the amount by which the common designated representative's share of such NO_X emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the State (and Indian country within the borders of such State) for such control period, by which each common designated representative's share of such NO_X emissions exceeds the respective common designated representative's assurance level; and

II. The amount by which total NO_X emissions from all CSAPR NO_X Ozone Season Group 2 units at CSAPR NO_X Ozone Season Group 2 sources in the State (and Indian country within the borders of such State) for such control period exceed the State assurance level.

B. Pursuant to 40 CFR 97.806(c)(2)(ii), the owners and operators shall hold the CSAPR NO_X Ozone Season Group 2 allowances required under 40 CFR 97.806(c)(2)(i), as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after the year of such control period.

C. Pursuant to 40 CFR 97.806(c)(2)(iii), total NO_X emissions from all CSAPR NO_X Ozone Season Group 2 units at CSAPR NO_X Ozone Season Group 2 sources in a State (and Indian country within the borders of such State) during a control period in a given year exceed the State assurance level if such total NO_X emissions exceed the sum, for such control period, of the State NO_X Ozone Season Group 2 trading budget under 40 CFR 97.810(a) and the State's variability limit under 40 CFR 97.810(b).

D. Pursuant to 40 CFR 97.806(c)(2)(iv), it shall not be a violation of this subpart or of the Clean Air Act if total NO_X emissions from all CSAPR NO_X Ozone Season Group 2 units at CSAPR NO_X Ozone Season Group 2 sources in a State (and Indian country within the borders of such State) during a control period exceed the State assurance level or if a common designated representative's share of total NO_X emissions from the CSAPR NO_X Ozone Season Group 2 units at CSAPR NO_X Ozone Season Group 2 sources in a State (and Indian country within the borders of such State) during a control period exceeds the common designated representative's assurance level.

E. Pursuant to 40 CFR 97.806(c)(2)(v), to the extent the owners and operators fail to hold CSAPR NO_X Ozone Season Group 2 allowances for a control period in a given year in accordance with 40 CFR 97.806(c)(2)(i) through (iii),

I. The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

II. Each CSAPR NO_X Ozone Season Group 2 allowance that the owners and operators fail to hold for such control period in accordance with 40 CFR 97.806(c)(2)(i) through (iii)

and each day of such control period shall constitute a separate violation of 40 CFR 97 Subpart EEEEE and the Clean Air Act.

iv. A. Pursuant to 40 CFR 97.806(c)(3)(i), a CSAPR NO_X Ozone Season Group 2 unit shall be subject to the requirements under 40 CFR 97.806(c)(1) and (2) for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.830(b) and for each control period thereafter.

v. A. Pursuant to 40 CFR 97.806(c)(4)(i), a CSAPR NO_X Ozone Season Group 2 allowance held for compliance with the requirements under 40 CFR 97.806(c)(1)(i) for a control period in a given year must be a CSAPR NO_X Ozone Season Group 2 allowance that was allocated or auctioned for such control period or a control period in a prior year.

B. Pursuant to 40 CFR 97.806(c)(4)(ii), a CSAPR NO_X Ozone Season Group 2 allowance held for compliance with the requirements under 40 CFR 97.806(c)(1)(ii)(A) and 40 CFR 97.806(c)(2)(i) through (iii) for a control period in a given year must be a CSAPR NO_X Ozone Season Group 2 allowance that was allocated or auctioned for a control period in a prior year or the control period in the given year or in the immediately following year.

C. Pursuant to 40 CFR 97.806(c)(4)(iii), except as provided in 40 CFR 97.806(c)(4)(iv), a CSAPR NO_X Ozone Season Group 2 allowance held for compliance with the requirements under 40 CFR 97.806(c)(1)(i), (c)(1)(ii)(A), and (c)(2)(i) through (iii) must be a CSAPR NO_X Ozone Season Original Group 2 allowance.

D. Pursuant to 40 CFR 97.806(c)(4)(iv), a CSAPR NO_X Ozone Season Group 2 allowance held for compliance with the requirements under 40 CFR 97.806(c)(1)(i), (c)(1)(ii)(A), and (c)(2)(i) through (iii) for a source or group of sources in a State listed in 40 CFR 52.38(b)(2)(ii)(D)(1) (and Indian country within the borders of such a State) for a control period after 2022 must be a CSAPR NO_X Ozone Season Expanded Group 2 allowance.

vi. Pursuant to 40 CFR 97.806(c)(5), each CSAPR NO_X Ozone Season Group 2 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR 97 Subpart EEEEE.

vii. Pursuant to 40 CFR 97.806(c)(6), a CSAPR NO_X Ozone Season Group 2 allowance is a limited authorization to emit one ton of NO_X during the control period in one year. Such authorization is limited in its use and duration as follows:

A. Such authorization shall only be used in accordance with the CSAPR NO_X Ozone Season Group 2 Trading Program; and

B. Notwithstanding any other provision of 40 CFR 97 Subpart EEEEE, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

viii. Pursuant to 40 CFR 97.806(c)(7), a CSAPR NO_X Ozone Season Group 2 allowance does not constitute a property right.

ix. A. Pursuant to 40 CFR 97.806(f)(1), any provision of the CSAPR NO_X Ozone Season Group 2 Trading Program that applies to a CSAPR NO_X Ozone Season Group 2 source or the designated

representative of a CSAPR NO_X Ozone Season Group 2 source shall also apply to the owners and operators of such source and of the CSAPR NO_X Ozone Season Group 2 units at the source.

B. Pursuant to 40 CFR 97.806(f)(1), any provision of the CSAPR NO_X Ozone Season Group 2 Trading Program that applies to a CSAPR NO_X Ozone Season Group 2 unit or the designated representative of a CSAPR NO_X Ozone Season Group 2 unit shall also apply to the owners and operators of such unit.

x. Pursuant to 40 CFR 97.806(g), no provision of the CSAPR NO_X Ozone Season Group 2 Trading Program or exemption under 40 CFR 97.805 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NO_X Ozone Season Group 2 source or CSAPR NO_X Ozone Season Group 2 unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

xi. Pursuant to 40 CFR 97.830(d)(2), no owner or operator of a CSAPR NO_X Ozone Season Group 2 unit shall operate the unit so as to discharge, or allow to be discharged, NO_X to the atmosphere without accounting for all such NO_X in accordance with the applicable provisions of 40 CFR 97 Subpart EEEEE and 40 CFR Part 75.

xii. Pursuant to 40 CFR 97.830(e), the owner or operator of a CSAPR NO_X Ozone Season Group 2 unit is subject to the applicable provisions of 40 CFR 75.4(d) concerning units in long-term cold storage.

g. <u>Compliance Method (CSAPR NO_X Ozone Season Group 2 Trading Program)</u>

i. A. Pursuant to 40 CFR 97.806(b)(1), the owners and operators, and the designated representative, of each CSAPR NO_X Ozone Season Group 2 source and each CSAPR NO_X Ozone Season Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.830 through 97.835.

B. Pursuant to 40 CFR 97.806(b)(2), the emissions data determined in accordance with 40 CFR 97.830 through 97.835 shall be used to calculate allocations of CSAPR NO_X Ozone Season Group 2 allowances under 40 CFR 97.811(a)(2) and (b) and 97.812 and to determine compliance with the CSAPR NO_X Ozone Season Group 2 emissions limitation and assurance provisions under 40 CFR 97.806(c), provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.830 through 97.835 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

ii. Pursuant to 40 CFR 97.830, the owners and operators, and to the extent applicable, the designated representative, of a CSAPR NO_X Ozone Season Group 2 unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in 40 CFR 97 Subpart EEEEE and 40 CFR 75 Subpart H. For purposes of applying such requirements, the definitions in 40 CFR 97.802 and in 40 CFR 72.2 shall apply, the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CSAPR NO_X Ozone Season Group 2 unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") respectively as defined in 40 CFR 97.802, and the term "newly affected unit" shall be deemed to mean "newly affected CSAPR NO_X Ozone Season Group 2 unit". The owner or operator of a unit that is not a CSAPR NO_X Ozone Season Group 2 unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CSAPR NO_X Ozone Season Group 2 unit.

Monitoring

iii. Pursuant to 40 CFR 97.830(a), the owner or operator of each CSAPR NO_X Ozone Season Group 2 unit shall:

A. Install all monitoring systems required under 40 CFR 97 Subpart EEEEE for monitoring NO_X mass emissions and individual unit heat input (including all systems required to monitor NO_X emission rate, NO_X concentration, stack gas moisture content, stack gas flow rate, CO_2 or O_2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 75.72);

B. Successfully complete all certification tests required under 40 CFR 97.831 and meet all other requirements of 40 CFR 97 Subpart EEEEE and 40 CFR Part 75 applicable to the monitoring systems under 40 CFR 97.830(a)(1); and

C. Record, report, and quality-assure the data from the monitoring systems under 40 CFR 97.831(a)(1).

iv. Pursuant to 40 CFR 97.830(d)(3), no owner or operator of a CSAPR NO_X Ozone Season Group 2 unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO_X mass discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of 40 CFR 97 Subpart EEEEE and 40 CFR Part 75.

v. Pursuant to 40 CFR 97.830(d)(4), no owner or operator of a CSAPR NO_X Ozone Season Group 2 unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under 40 CFR 97 Subpart EEEEE, except under any one of the following circumstances:

A. During the period that the unit is covered by an exemption under 40 CFR 97.805 that is in effect;

B. The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of 40 CFR 97 Subpart EEEEE and 40 CFR Part 75, by the Administrator for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or

C. The designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with 40 CFR 97.831(d)(3)(i).

vi. A. Pursuant to 40 CFR 97.832(a), whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in 40 CFR Subpart D or Subpart H, or appendix D or appendix E to 40 CFR Part 75.

B. Pursuant to 40 CFR 97.832(b), whenever both an audit of a monitoring system and a review of the initial certification or recertification application reveal that any monitoring system should not have been certified or recertified because it did not meet a particular performance specification or other requirement under 40 CFR 97.831 or the applicable provisions of 40 CFR Part 75, both at the time of the initial certification or recertification application submission and at the time of the audit, the Administrator will issue a notice of disapproval of the certification status of such

monitoring system. For the purposes of this paragraph, an audit shall be either a field audit or an audit of any information submitted to the Administrator or any State or permitting authority. By issuing the notice of disapproval, the Administrator revokes prospectively the certification status of the monitoring system. The data measured and recorded by the monitoring system shall not be considered valid quality-assured data from the date of issuance of the notification of the revoked certification status until the date and time that the owner or operator completes subsequently approved initial certification or recertification tests for the monitoring system. The owner or operator shall follow the applicable initial certification or recertification procedures in 40 CFR 97.831 for each disapproved monitoring system..

Recordkeeping

vii. Pursuant to 40 CFR 97.806(e)(1), unless otherwise provided, the owners and operators of each CSAPR NO_X Ozone Season Group 2 source and each CSAPR NO_X Ozone Season Group 2 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

A. The certificate of representation under 40 CFR 97.816 for the designated representative for the source and each CSAPR NO_X Ozone Season Group 2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.816 changing the designated representative.

B. All emissions monitoring information, in accordance with 40 CFR 97 Subpart EEEEE.

C. Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NO_X Ozone Season Group 2 Trading Program.

viii. Pursuant to 40 CFR 97.834(a), the designated representative shall comply with all recordkeeping and reporting requirements in 40 CFR 97.834(b) through (e), the applicable recordkeeping and reporting requirements under 40 CFR 75.73, and the requirements of 40 CFR 97.814(a).

ix. Pursuant to 40 CFR 97.834(b), the owner or operator of a CSAPR NO_X Ozone Season Group 2 unit shall comply with the requirements of 40 CFR 75.73(c) and (e).

Reporting

x. Pursuant to 40 CFR 97.806(e)(2), the designated representative of a CSAPR NO_X Ozone Season Group 2 source and each CSAPR NO_X Ozone Season Group 2 unit at the source shall make all submissions required under the CSAPR NO_X Ozone Season Group 2 Trading Program, except as provided in 40 CFR 97.818. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR Parts 70 and 71.

xi. Pursuant to 40 CFR 97.830(c), the owner or operator of a CSAPR NO_X Ozone Season Group 2 unit that does not meet the applicable compliance date set forth in 40 CFR 97.830(b) for any monitoring system under 40 CFR 97.830(a)(1) shall, for each such monitoring system, determine, record, and report

maximum potential (or, as appropriate, minimum potential) values for NO_X concentration, NO_X emission rate, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine NO_X mass emissions and heat input in accordance with 40 CFR 75.31(b)(2) or (c)(3), section 2.4 of appendix D to 40 CFR Part 75, or section 2.5 of appendix E to 40 CFR Part 75, as applicable.

xii. Pursuant to 40 CFR 97.833, the designated representative of a CSAPR NO_X Ozone Season Group 2 unit shall submit written notice to the Administrator in accordance with 40 CFR 75.61.

xiii. Pursuant to 40 CFR 97.834(c), the designated representative shall submit an application to the Administrator within 45 days after completing all initial certification or recertification tests required under 40 CFR 97.831, including the information required under 40 CFR 75.63.

xiv. Pursuant to 40 CFR 97.834(d), the designated representative shall submit quarterly reports, as follows:

A. I. If a CSAPR NO_X Ozone Season Group 2 unit is subject to the Acid Rain Program or the CSAPR NO_X Annual Trading Program or if the owner or operator of such unit chooses to report on an annual basis under 40 CFR 97 Subpart EEEEE, then the designated representative shall meet the requirements of 40 CFR 75 Subpart H (concerning monitoring of NO_X mass emissions) for such unit for the entire year and report the NO_X mass emissions data and heat input data for such unit for the entire year.

II. If a CSAPR NO_X Ozone Season Group 2 unit is not subject to the Acid Rain Program or the CSAPR NO_X Annual Trading Program, then the designated representative shall either:

1. Meet the requirements of 40 CFR 75 Subpart H for such unit for the entire year and report the NO_X mass emissions data and heat input data for such unit for the entire year in accordance with 40 CFR 97.834(d)(1)(i); or

2. Meet the requirements of 40 CFR 75 Subpart H (including the requirements in 40 CFR 75.74(c)) for such unit for the control period and report the NO_X mass emissions data and heat input data (including the data described in 40 CFR 75.74(c)(6)) for such unit only for the control period of each year.

B. The designated representative shall report the NO_X mass emissions data and heat input data for a CSAPR NO_X Ozone Season Group 2 unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter indicated under 40 CFR 97.834(d)(1) beginning by the latest of:

I. 1. The calendar quarter covering May 1, 2017, through June 30, 2017, for a unit other than a unit described in 40 CFR 97.834(d)(2)(i)(B) or (C);

2. The calendar quarter covering May 1, 2024, through June 30, 2024, for a unit in a State listed in 40 CFR 52.38(b)(2)(iii)(D)(4) (and Indian country within the borders of such a State) that did not commence commercial operation at least 180 calendar days before September 30, 2020;

II. The calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under 40 CFR 97.830(b); or

III. For a unit that reports on a control period basis under 40 CFR 97.834(d)(1)(ii)(B), if the calendar quarter under 40 CFR 97.834 (d)(2)(ii) does not include a month from May through September, the calendar quarter covering May 1 through June 30 immediately after the calendar quarter under 40 CFR 97.834(d)(2)(ii).

C. The designated representative shall submit each quarterly report to the Administrator within 30 days after the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

D. For CSAPR NO_X Ozone Season Group 2 units that are also subject to the Acid Rain Program, CSAPR NO_X Annual Trading Program, CSAPR SO_2 Group 1 Trading Program, or CSAPR SO_2 Group 2 Trading Program, quarterly reports shall include the applicable data and information required by 40 CFR 75 Subparts F through H as applicable, in addition to the NO_X mass emission data, heat input data, and other information required by 40 CFR 97 Subpart EEEEE.

E. The Administrator may review and conduct independent audits of any quarterly report in order to determine whether the quarterly report meets the requirements of 40 CFR 97 Subpart EEEEE and 40 CFR Part 75, including the requirement to use substitute data.

I. The Administrator will notify the designated representative of any determination that the quarterly report fails to meet any such requirements and specify in such notification any corrections that the Administrator believes are necessary to make through resubmission of the quarterly report and a reasonable time period within which the designated representative must respond. Upon request by the designated representative, the Administrator may specify reasonable extensions of such time period. Within the time period (including any such extensions) specified by the Administrator, the designated representative shall resubmit the quarterly report with the corrections specified by the Administrator, except to the extent the designated representative provides information demonstrating that a specified correction is not necessary because the quarterly report already meets the requirements of 40 CFR 97 Subpart EEEEE and 40 CFR Part 75 that are relevant to the specified correction.

II. Any resubmission of a quarterly report shall meet the requirements applicable to the submission of a quarterly report under 40 CFR Subpart EEEEE and 40 CFR Part 75, except for the deadline set forth in 40 CFR 97.834(d)(3).

xv. Pursuant to 40 CFR 97.834(e), the designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

A. The monitoring data submitted were recorded in accordance with the applicable requirements of 40 CFR 97 Subpart EEEEE and 40 CFR Part 75, including the quality assurance procedures and specifications;

B. For a unit with add-on NO_X emission controls and for all hours where NO_X data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NO_X emissions; and

C. For a unit that is reporting on a control period basis under 40 CFR 97.834(d)(1)(ii)(B), the NO_X emission rate and NO_X concentration values substituted for missing data under 40 CFR 75 Subpart D are calculated using only values from a control period and do not systematically underestimate NO_X emissions.

Section 8 – State Only Requirements

1. Permitted Emissions for Purposes of Fees

a. The annual emissions from the source solely for purposes of "Duty to Pay Fees" of Condition 2.2(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following: [Section 39.5(18)(a)(ii) of the Act]

Pollutant	*Tons/Year*
Volatile Organic Material (VOM)	94.00
Sulfur Dioxide (SO_2)	20.00
Particulate Matter (PM)	79.00
Nitrogen Oxides (NO_X)	442.00
Hazardous Air Pollutants, not included above (HAP)	---
Total	635

b. The overall source emissions shall be determined by adding emissions of the above pollutants from all emission units (not including insignificant activities) on a calendar year basis. The Permittee shall maintain records of annual emissions for fee purposes. [Section 39.5(18)(a)(ii) of the Act]

2. Climate and Equitable Jobs Act (CEJA)

In addition to the requirements in Sections 4.1 and 4.2, the Permittee shall comply with the following applicable requirements, pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

a. i. <u>Climate and Equitable Jobs Act (CEJA) GHG and Copollutant Requirements</u>

A. Pursuant to Section 9.15(k-5) of the Act, each electric generating unit (EGU) or large greenhouse gas-emitting unit that uses gas as a fuel and is not a public GHG-emitting unit shall not emit, in any 12-month period, CO_2e or copollutants in excess of that unit's existing emissions for those pollutants, as follows:

Emission Unit	CO_2e (Ton/Yr)	$PM_{10}/PM_{2.5}$ (Ton/Yr)	SO_2 (Ton/Yr)	VOM (Ton/Yr)	CO (Ton/Yr)	NO_X (Ton/Yr)	Pb (Ton/Yr)
CT01	14600	1.4	0.074	0.86	3.7	11.6	0.00
CT02	13700	1.3	0.069	0.80	3.5	11.0	0.00
CT03	14400	1.3	0.073	0.85	3.6	11.5	0.00
CT04	14200	1.3	0.072	0.84	3.6	11.1	0.00
CT05	781	0.070	0.0039	0.22	0.20	0.15	0.00
CT06	710	0.070	0.0036	0.20	0.18	0.21	0.00
CT07	698	0.060	0.0035	0.20	0.18	0.16	0.00
CT08	685	0.060	0.0034	0.20	0.19	0.20	0.00

Note: "Copollutants" refers to the 6 criteria pollutants that have been identified by the USEPA in the CAA, as addressed by Section 9.15(f) of the Act. The criteria pollutant ozone is not directly emitted into the atmosphere. VOM and NO_X are listed in the table above as precursors to ground-level ozone. Additionally, the table includes the broader group of nitrogen oxides (NO_X) as a precursor to ozone, rather than just the criteria pollutant NO_2.

Note: For CO_2e, "existing emissions" means the total average tons-per-year of CO_2e emitted by the EGU or large GHG-emitting unit in the years 2018 through 2020, pursuant to Section 9.15(f) of the Act.

Note: For any copollutant, "existing emissions" means the total average tons-per-year of that copollutant emitted by the EGU or large GHG-emitting unit in the years 2018 through 2020, pursuant to Section 9.15(f) of the Act.

B. Pursuant to Section 9.15(l) of the Act, notwithstanding Sections 9.15(g) through (k-5) of the Act, large GHG-emitting units including EGUs may temporarily continue emitting greenhouse gases after any applicable deadline specified in Sections 9.15(g) through (k-5) of the Act if it has been determined, as described in Sections 9.15(l)(1) and (2) of the Act below, that ongoing operation of the EGU is necessary to maintain power grid supply and reliability or ongoing operation of large GHG-emitting unit that is not an EGU is necessary to serve as an emergency backup to operations. Up to and including the occurrence of an emission reduction deadline under Section 9.15(i) of the Act, all EGUs and large GHG-emitting units must comply with the following terms:

I. Pursuant to Section 9.15(l)(1) of the Act, if an EGU or large GHG-emitting unit that is a participant in a regional transmission organization intends to retire, it must submit documentation to the appropriate regional transmission organization by the appropriate deadline that meets all applicable regulatory requirements necessary to obtain approval to permanently cease operating the large GHG-emitting unit.

II. Pursuant to Section 9.15(l)(2) of the Act, if any EGU or large GHG-emitting unit that is a participant in a regional transmission organization receives notice that the regional transmission organization has determined that continued operation of the unit is required, the unit may continue operating until the issue identified by the regional transmission organization is resolved. The owner or operator of the unit must cooperate with the regional transmission organization in resolving the issue and must reduce its emissions to zero, consistent with the requirements under Section 9.15(g), (h), (i), (j), (k), or (k-5) of the Act, as applicable, as soon as practicable when the issue identified by the regional transmission organization is resolved.

III. Pursuant to Section 9.15(l)(3) of the Act, any large GHG-emitting unit that is not a participant in a regional transmission organization shall be allowed to continue emitting GHGs after the zero-emission date specified in Section 9.15(g), (h), (i), (j), (k), or (k-5) of the Act, as applicable, in the capacity of an emergency backup unit if approved by the Illinois Commerce Commission.

ii. <u>Compliance Method (CEJA GHG and Copollutant Requirements)</u>

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall determine the annual emissions (tons/year) of CO_2e and copollutants from each emission unit on a monthly basis from the sum of the data from the current month plus the preceding 11 months (running 12-month total).

<u>Recordkeeping</u>

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep the following records for each emission unit:

I. A file containing, at least, the following information:

1. Name and designation of the unit;

2. The unit's existing emissions of CO_2e and each copollutant (tons/year, 3-year average), with supporting calculations.

II. Monthly and annual emissions of CO_2e and copollutants (tons/month and tons/year) for each emission unit, with supporting calculations.

iii. Prompt Reporting

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 Condition 8.2(a)(i).

B. Pursuant to Section 39.5(7)(b) of the Act, all such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

C. Pursuant to Section 39.5(7)(b) of the Act, 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).

D. Pursuant to Section 39.5(7)(b) of the Act, 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.

E. Pursuant to Section 39.5(7)(b) of the Act, within 30 days of an exception event allowed under Section 9.15(l) of the Act, the Permittee shall submit to the Illinois EPA Bureau of Air Compliance Section, with a copy to the applicable Regional Transmission Organization, a Notice of Exception Event that provides the following information:

I. The unit committed;

II. The time the unit began operating;

III. The time the unit stopped operating; and

IV. The emissions attributable to this window of time.

Attachment 1 – List of Emission Units at This Source

Section	*Emission Units*	*Description*
4.1	CT01 – CT04	GE Model LM60000 Natural Gas Fired Turbines nominal capacity 48.5 MWe, 444 mmBtu/hr each NOx emissions are controlled by water injection
4.2	CT05 – CT08	GE Model PG6581(B) Natural Gas Fired Turbines Nominal capacity 48 MWe, 552.5 mmBtu/hr each NOx emissions are controlled by dry low NOx combustion CT05 - CT08 also utilize black start diesel engines when necessary

Attachment 2 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
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
BACT	Best Available Control Technology
Btu	British thermal units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAM	Compliance Assurance Monitoring
CDX	Central Data Exchange
CEDRI	Compliance and Emissions Data Reporting Interface
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO_2	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
CSAPR	Cross-State Air Pollution Rule
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
ERT	Electronic Reporting Tool
°F	Degrees Fahrenheit
FIP	Federal Implementation Plan
FPOP	Fugitive PM Operating Program
GACT	Generally Acceptable Control Technology
gal	Gallons
GHG	Green House Gas
gr	Grains
HAP	Hazardous Air Pollutant
Hg	Mercury
HMIWI	Hospital Medical Infectious Waste Incinerator
hp	Horsepower
hr	Hour
H_2S	Hydrogen Sulfide
IAC	Illinois Administrative Code
I.D. No.	Identification Number of source, assigned by IEPA
IEPA	Illinois Environmental Protection Agency
ILCS	Illinois Compiled Statutes

Illinois EPA	Illinois Environmental Protection Agency
kg	Kilogram
kW	Kilowatts
LAER	Lowest Achievable Emission Rate
lbs	Pounds
m	Meter
M	Thousand
MACT	Maximum Achievable Control Technology
MM	Million
mo	Month
mph	Miles per hour
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_2	Nitrogen dioxide
NO_x	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PB	Lead
PEMS	Predictive Emissions Monitoring System
PM	Particulate Matter
$PM_{2.5}$	Particulate Matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
PM_{10}	Particulate Matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential To Emit
QA/QC	Quality Assurance and Quality Control
QIP	Quality Improvement Plan
RACT	Reasonable Available Control Technology
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective Catalytic Reduction
SIP	State Implementation Plan
SO_2	Sulfur dioxide
T	Ton

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
yr	Year

Attachment 3 - Contact and Reporting Addresses

IEPA Compliance Section

Via USPS:
Illinois EPA, Bureau of Air
Compliance Section (MC 40)
2520 West Iles Ave
P.O. Box 19276
Springfield, IL 62794-9276

Phone No.: 217-782-2113

Via Other Means:
Illinois EPA, Bureau of Air
Compliance Section (MC 40)
2520 West Iles Ave
Springfield, IL 62704

IEPA Stack Test Specialist

Illinois EPA, Bureau of Air
Compliance Section
Source Monitoring - Third Floor
9511 Harrison Street
Des Plaines, IL 60016

Phone No.: 847-294-4000

IEPA Air Quality Planning Section

Via USPS:
Illinois EPA, Bureau of Air
AQPS Section (MC 39)
2520 West Iles Ave
P.O. Box 19276
Springfield, IL 62794-9276

Phone No.: 217-782-2113

Via Other Means:
Illinois EPA, Bureau of Air
AQPS Section (MC 39)
2520 West Iles Ave
Springfield, IL 62704

IEPA Air Regional Field Operations Regional Office #3

Illinois EPA, Bureau of Air
Regional Office #3
1101 Eastport Plaza Drive, Suite 100
Collinsville, IL 62234

Phone No.: 618-346-5120

IEPA Permit Section

Via USPS:
Illinois EPA, Bureau of Air
Permit Section (MC 11)
2520 West Iles Ave
P.O. Box 19276
Springfield, IL 62794-9276

Phone No.: 217-785-1705

Via Other Means:
Illinois EPA, Bureau of Air
Permit Section (MC 11)
2520 West Iles Ave
Springfield, IL 62704

USEPA Region 5 - Air Branch

USEPA (AR - 17J)
Air and Radiation Division
77 West Jackson Boulevard
Chicago, IL 60604

Phone No.: 312-353-2000

Attachment 4 - Example Certification by a Responsible Official

This certification must be signed by a Responsible Official, as defined in Section 39.5(1) of the Act. Applications without a signed certification will be deemed incomplete. 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))

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.

_____	_____
Authorized Signature	Title of Signatory
_____	_____
Typed or Printed Name of Signatory	Date