DRAFT/PROPOSED CAAPP PERMIT
October 26, 2026

Attention:
Microsoft
Attn: Sadik Antwi-Boampong
One Microsoft Way
Redmond, WA 98052

State of Illinois

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

[Title I and Title V Permit]

Source:
Hoffman Estates (CHI05, CHI06, CHI07) Data Center
2045 Lakewood Boulevard
Hoffman Estates, IL 60192

I.D. No.: 031449ADS
Permit No.: 23100001

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 I and Title V Permit]

Type of Application:	New
Purpose of Application:	Issue New Permit to a New Major Source
Source ID No.:	031449ADS
Permit No.:	23100001
Date Application Received:	December 22, 2025
Date Issued:	TBD
Expiration Date:	TBD
Renewal Submittal Date:	9 Months Prior to TBD
Source Name:	Hoffman Estates (CHI05, CHI06, CHI07) Data Center
Address:	2045 Lakewood Boulevard
City:	Hoffman Estates
County:	Cook
ZIP Code:	60192

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 Olawale Makanjuola at 217-785-1705.

William D. Marr
Manager, Permit Section
Bureau of Air

WDM:RTH:OM:tan

cc: IEPA, Permit Section
IEPA, FOS, Region 1

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Section 1 – Source Information

1. Addresses

Source
Hoffman Estates (CHI05, CHI06, CHI07) Data Center
2045 Lakewood Boulevard
Hoffman Estates, IL 60192

Owner
Microsoft
One Microsoft Way
Redmond, WA 98052

Operator
Microsoft
One Microsoft Way
Redmond, WA 98052

Permittee
The Owner of the source as listed in this table.

2. Contacts

Certified Officials

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

	Name	*Title*
Responsible Official	Sadik Antwi-Boampong	Director, Data Center Ops, Chicago Metro
Delegated Authority	No other individuals have been authorized by the IEPA.	N/A

Other Contacts

	Name	*Phone No.*	*Email*
Source Contact	Michael Welly	312-480-9622	micahelwelly@microsoft.com
Technical Contact	Micah O'Shaughnessy	301-538-1163	micaho@microsoft.com
Correspondence	Sadik Antwi-Boampong	224-288-2073	sadika@microsoft.com
Billing	Sadik Antwi-Boampong	224-288-2073	sadika@microsoft.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. Duty to Comply

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

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

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

c. Duty to Maintain Equipment

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

d. Disposal Operations

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

e. Duty to Pay Fees

i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi) of the Act]

ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18)(f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18)(a)(ii)(A) of the Act]

iii. 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 New 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. 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.

Note: Although the source is located in a 35 IAC 212.302 area, it is not within one of the listed SIC major groups to which the Fugitive PM Operating Program applies.

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 December 22, 2025, 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

a. i. Construction Permits #21120011 and #23110003 Requirements

A. Pursuant to Construction Permits #21120011 and 23110003: [T1]

I. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the odor nuisance.

II. All emergency generators at the source shall only be operated with distillate fuel oil (Grades No. 1 and 2 (i.e., diesel)) and/or renewable diesel as the fuel. The use of any

other fuel in any of the engines powering the emergency generators at the source requires that the Permittee first obtain a construction permit from the Illinois EPA and then perform stack testing to verify compliance with all applicable requirements.

III. Organic liquid by-products or waste materials shall not be used in the diesel-powered backup generator sets at this source without written approval from the Illinois EPA.

IV. The Illinois EPA shall be allowed to sample fuel stored at the source associated with the diesel generator sets.

ii. Compliance Method (Construction Permits #21120011 and #23110003)

Recordkeeping

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

I. Records of any odor nuisance resulting from operation of the source, including the date, nature of the odor, and actions taken to minimize or eliminate the odor nuisance.

II. Records documenting the fuel type used in each emergency generator at the source.

4. Synthetic Minor Limits

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

5. Reporting Requirements

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

a. Prompt Reporting

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

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

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

III. Requirements in Condition 3.3(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 1

Note: For the emergency generators subject to 40 CFR part 60 subpart IIII, if any of them operates for the purpose specified in 40 CFR 60.4211(f)(3)(i), the Permittee is required to submit an annual report no later than March 31. See also Condition 4.1.5(b) of this permit.

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 Emergency Generators

1. Emission Units and Operations

Emission Units	*Pollutants Being Addressed*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
CHI05 Data Center: Twenty (20) 4,376 HP Diesel-Fired Emergency Generators (EG-02 to EG-021)	PM (Opacity), PM, SO_2, VOM, CO, NOx, NMHC	2022	N/A	None	non-resettable hour meter
CHI06 Data Center: Twelve (12) 4,376 HP Diesel-Fired Emergency Generators (EG-023 to EG-034)	PM (Opacity), PM, SO_2, VOM, CO, NOx, NMHC	2025	N/A	None	non-resettable hour meter
CHI07 Data Center: Twenty (20) 4,376 HP Diesel-Fired Emergency Generators (EG-036 to EG-055)	PM (Opacity), PM, SO_2, VOM, CO, NOx, NMHC	Pending	N/A	None	non-resettable hour meter

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.

Note: The emergency generators must meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII, for compression ignition engines, pursuant to 40 CFR 63.6590(c)(1). No further requirements apply for the emergency generators under 40 CFR 63 Subpart ZZZZ.

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

A. Pursuant to 40 CFR 60.4205(b) and 40 CFR 60.4202(b)(2), the emergency generators shall meet the smoke standards as specified in 40 CFR 1039.105, as follows:

I. Pursuant to 40 CFR 1039.105(b), smoke opacity from the emergency generators may not exceed the following standards:

1. 20 percent during the acceleration mode.

2. 15 percent during the lugging mode.

3. 50 percent during the peaks in either the acceleration or lugging modes.

B. 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 any emergency generator, except as provided in 35 IAC 212.123(b) and 212.124.

ii. Compliance Method (Opacity Requirements)

A. Pursuant to Section 39.5(7)(b) of the Act, for each emergency generator in Condition 4.1.1, the Permittee shall demonstrate compliance with the opacity limitations by:

I. Documenting engine certification and installing and configuring the generators according to the manufacturer's emission-related specifications, pursuant to Condition 4.1.2(g)(ii)(B).

II. Following good air pollution control practice, including the monthly maintenance and annual inspections, as specified in Condition 4.1.2(h) of this permit, to minimize emissions and ensure that each generator is in good working order.

b. i. Particulate Matter (PM) Requirements

A. Pursuant to 40 CFR 60.4205(b) and 40 CFR 60.4202, the emergency generators shall meet the Tier 2 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR part 1039, appendix I, for PM, as follows:

I. Pursuant to Table 2 to 40 CFR 1039 Appendix I, PM emissions from each emergency generator shall not exceed 0.2 g/kW-hr.

B. Pursuant to Construction Permit #21120011, emissions of PM from Emergency Generators EG-02 to EG-021 shall not exceed 0.62 tons/year (combined). [T1]

C. Pursuant to Construction Permit #23110003, emissions of PM from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 shall not exceed 0.67 tons/year (combined). [T1]

ii. Compliance Method (PM 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).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records, with supporting documentation (including emission factors for calculating annual emissions) and calculations:

I. Monthly and annual emissions of PM from Emergency Generators EG-02 to EG-021 (tons/month and tons/year).

II. Monthly and annual emissions of PM from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 (tons/month and tons/year).

c. i. Sulfur Dioxide (SO_2) Requirements

A. Pursuant to 35 IAC 214.301, the Permittee shall not cause or allow the emission of sulfur dioxide into the atmosphere from any emergency generator to exceed 2,000 ppm.

B. Pursuant to Construction Permit #21120011, emissions of SO_2 from Emergency Generators EG-02 to EG-021 shall not exceed 0.05 tons/year (combined). [T1]

C. Pursuant to Construction Permit #23110003, emissions of SO_2 from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 shall not exceed 0.05 tons/year (combined). [T1]

ii. Compliance Method (SO_2 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).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the maximum SO_2 concentration (ppm) in the exhaust of each emergency generator, with supporting calculations.

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records, with supporting documentation (including emission factors for calculating annual emissions) and calculations:

I. Monthly and annual emissions of SO_2 from Emergency Generators EG-02 to EG-021 (tons/month and tons/year).

II. Monthly and annual emissions of SO_2 from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 (tons/month and tons/year).

d. i. Volatile Organic Material (VOM) Requirements

A. Pursuant to Construction Permit #21120011, emissions of VOM from Emergency Generators EG-02 to EG-021 shall not exceed 1.66 tons/year (combined). [T1]

B. Pursuant to Construction Permit #23110003, emissions of VOM from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 shall not exceed 1.82 tons/year (combined). [T1]

ii. Compliance Method (VOM 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).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records, with supporting documentation (including emission factors for calculating annual emissions) and calculations:

I. Monthly and annual emissions of VOM from Emergency Generators EG-02 to EG-021 (tons/month and tons/year).

II. Monthly and annual emissions of VOM from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 (tons/month and tons/year).

e. i. Carbon Monoxide (CO) Requirements

A. Pursuant to 40 CFR 60.4205(b) and 40 CFR 60.4202, the emergency generators shall meet the Tier 2 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR part 1039, appendix I, for CO, as follows:

I. Pursuant to Table 2 to 40 CFR 1039 Appendix I, CO emissions from each emergency generator shall not exceed 3.5 g/kW-hr.

B. Pursuant to Construction Permit #21120011, emissions of CO from Emergency Generators EG-02 to EG-021 shall not exceed 7.01 tons/year (combined). [T1]

C. Pursuant to Construction Permit #23110003, emissions of CO from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 shall not exceed 7.65 tons/year (combined). [T1]

ii. Compliance Method (CO 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).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records, with supporting documentation (including emission factors for calculating annual emissions) and calculations:

I. Monthly and annual emissions of CO from Emergency Generators EG-02 to EG-021 (tons/month and tons/year).

II. Monthly and annual emissions of CO from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 (tons/month and tons/year).

f. i. Nitrogen Oxide (NOx) Requirements

A. Pursuant to 40 CFR 60.4205(b) and 40 CFR 60.4202, the emergency generators shall meet the Tier 2 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR part 1039, appendix I, for NOx, as follows:

I. Pursuant to Table 2 to 40 CFR 1039 Appendix I, NOx + NMHC emissions from each emergency generator shall not exceed 6.4 g/kW-hr.

B. Pursuant to Construction Permit #21120011, emissions of NOx from Emergency Generators EG-02 to EG-021 shall not exceed 35.57 tons/year (combined). [T1]

C. Pursuant to Construction Permit #23110003, emissions of NOx from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 shall not exceed 38.85 tons/year (combined). [T1]

ii. Compliance Method (NOx 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).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records, with supporting documentation (including emission factors for calculating annual emissions) and calculations:

I. Monthly and annual emissions of NOx from Emergency Generators EG-02 to EG-021 (tons/month and tons/year).

II. Monthly and annual emissions of NOx from Emergency Generators EG-023 to EG-034 and EG-036 to EG-055 (tons/month and tons/year).

g. i. Operational and Production Requirements

A. Pursuant to 40 CFR 60.4206, the Permittee must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4205 over the entire life of the engine.

B. Pursuant to 40 CFR 60.4207(b), the Permittee must use diesel fuel that meets the requirements of 40 CFR 1090.305, as follows:

I. Maximum sulfur content of 15 ppm; and

II. Minimum cetane index of 40 or maximum aromatic content of 35 volume percent.

C. Pursuant to 35 IAC 214.305(a)(2), the sulfur content of all distillate fuel oil used by the emergency generators must not exceed 15 ppm.

D. Pursuant to Construction Permits #21120011 and #23110003 and Section 39.5(7)(a) of the Act, the maximum fuel usage for Emergency Generators EG-02 to EG-021, EG-023 to EG-034, and EG-036 to EG-055 shall not exceed 679,000 gallons/year (combined). [T1R]

ii. Compliance Method (Operational and Production Requirements)

A. Pursuant to 40 CFR 60.4211(a), the Permittee must do all of the following, except as permitted under 40 CFR 60.4211(g):

I. Operate and maintain the emergency generators according to the manufacturer's emission-related written instructions;

II. Change only those emission-related settings that are permitted by the manufacturer; and

III. Meet the requirements of 40 CFR part 1068, as they apply to the Permittee.

B. Pursuant to 40 CFR 60.4211(c), the Permittee must comply with the emission standards in 40 CFR 60.4205(b) by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b) for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g).

C. Pursuant to 40 CFR 60.4211(f), the Permittee must operate each emergency generator according to the requirements in 40 CFR 60.4211(f)(1) through (3) below. In order for an emergency generator to be considered an emergency stationary ICE under 40 CFR part 60 subpart IIII, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 60.4211(f)(1) through (3), is prohibited. If the Permittee does not operate the emergency generator according to the requirements in 40 CFR 60.4211(f)(1) through (3), the emergency generator will not be considered an emergency engine under 40 CFR part 60 subpart IIII and must meet all requirements for non-emergency engines.

I. There is no time limit on the use of emergency stationary ICE in emergency situations. [40 CFR 60.4211(f)(1)]

II. The Permittee may operate the emergency stationary ICE for the purpose specified in 40 CFR 60.4211(f)(2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR 60.4211(f)(3) counts as part of the 100 hours per calendar year allowed by this Condition.

1. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Illinois EPA for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. [40 CFR 60.4211(f)(2)(i)]

III. Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in 40 CFR 60.4211(f)(2). Except as provided in 40 CFR 60.4211(f)(3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

1. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met: [40 CFR 60.4211(f)(3)(i)]

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

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

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

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

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

D. 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).

Recordkeeping

E. Pursuant to 40 CFR 60.4214(b), the Permittee must keep records of the operation of the emergency generators in emergency and non-emergency service that are recorded through the non-resettable hour meter. The Permittee must record the time of operation of each emergency generator and the reason the generator was in operation during that time.

F. Pursuant to 35 IAC 214.305(a)(3), the Permittee must:

    I. Maintain records demonstrating that the fuel oil used by the emergency generators complies with the requirements in 35 IAC 214.305(a)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil.

    II. Retain the records for at least 5 years, and provide copies of the records to the Illinois EPA within 30 days after receipt of a request by the Illinois EPA.

G. Pursuant to 35 IAC 217.386(c)(1) and 217.396(a)(13), the Permittee shall maintain records documenting the annual hours of operation of the emergency generators in non-emergency situations.

H. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records to demonstrate compliance with the emission standards in 40 CFR 60.4205(b):

I. Documentation demonstrating that the emergency generators are certified to the emission standards in 40 CFR 60.4205(b), including the engine manufacturer's certification documentation.

II. Records demonstrating that the emergency generators are installed and configured according to the manufacturer's emission-related specifications.

I. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the following items, with supporting documentation, operating data, and calculations, as applicable or necessary:

I. The amounts of fuel used by the emergency generators (gallons/month and gallons/year).

II. Records demonstrating that the diesel fuel used for the emergency generators complies with the requirements in 40 CFR 1090.305.

III. Records of the manufacturer's emission-related instructions for the emergency generators.

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 the emergency generators 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 or USEPA 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 Section 39.5(7)(a) of the Act, regularly scheduled monthly maintenance shall be performed on the emergency generators one-at-a-time for short periods (less than 2 hours at a time, each) to ensure that each generator is in a good, ready-for-use condition and available for emergency.

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

<u>Monitoring</u>

A. Pursuant to Section 39.5(7)(b) of the Act, at a minimum, the Permittee shall perform inspections on each emergency generator every calendar year. Such inspections shall include adjustment and/or replacement as necessary of the following items:

I. Oil and filters.

II. Air cleaner.

III. Hoses and belts.

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 Section 39.5(7)(b) of the Act, the Permittee shall keep records sufficient to demonstrate compliance with Condition 4.1.2(h)(i)(B).

3. Non-Applicability Determinations

a. The emergency generators are not subject to 35 IAC 212.321 or 35 IAC 212.322 because, given the unique nature of these units, a process weight rate cannot be set so that such rules cannot reasonably be applied, pursuant to 35 IAC 212.323.

b. The emergency generators are not subject to 35 IAC 216.121 because the emergency generators are not fuel combustion emission units, as defined by 35 IAC 211.2470, pursuant to 35 IAC 216.121.

c. The emergency generators are not subject to the control requirements of 35 IAC 217 Subpart Q because the emergency generators are used as emergency units as defined by 35 IAC 211.1920, pursuant to 35 IAC 217.386(c)(1).

d. The emergency generators are not subject to 35 IAC 218.301 because the emergency generators do not use any organic materials, as defined in 35 IAC 211.4250(b), pursuant to 35 IAC 218.301.

e. The emergency generators are not subject to the control requirements of 35 IAC 218 Subpart TT because the emergency generators are fuel combustion units, pursuant to 35 IAC 218.980(f).

f. The emergency generators are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the emergency generators 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. Prompt Reporting

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

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

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

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

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

A. Date and time of the deviation.

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

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

b. Federal Reporting

i. 40 CFR 60 Subpart IIII

A. Pursuant to 40 CFR 60.4214(d), if any emergency generator in Condition 4.1.1 operates for the purpose specified in 40 CFR 60.4211(f)(3)(i), the Permittee must submit an annual report according to the following requirements:

I. The report must contain the following information:

1. Company name and address where the engine is located.

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

3. Emergency generator site rating and model year.

4. Latitude and longitude of the emergency generator in decimal degrees reported to the fifth decimal place.

5. Hours spent for operation for the purposes specified in 40 CFR 60.4211(f)(3)(i), including the date, start time, and end time for emergency generator operation for the purposes specified in 40 CFR 60.4211(f)(3)(i). The report must also identify the entity that dispatched the emergency generator and the situation that necessitated the dispatch of the emergency generator.

II. Annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

III. Submit annual report electronically according to 40 CFR 60.4214(g).

c. State Reporting

i. 35 IAC 214 Subpart K

A. Pursuant to 35 IAC 214.305(3)(C), the Permittee must notify the Illinois EPA within 30 days after discovery of deviations from any of the requirements in 35 IAC 214.305(a). At minimum, and in addition to any permitting obligations, such notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

ii. 35 IAC 217 Subpart Q

A. Pursuant to 35 IAC 217.386(d), If an exempt unit ceases to fulfill the criteria specified in 35 IAC 217.386(c), the unit is subject to the control requirements of 35 IAC 217 Subpart Q, and the Permittee must notify the Illinois EPA in writing within 30 days after becoming aware that the exemption no longer applies and comply with the control requirements of 35 IAC 217 Subpart Q.

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*
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. 762 HP Diesel-Fired Emergency Generators (EG-01, EG-022, and EG-035)	3	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. <u>Applicable Requirements for Diesel-Fired Emergency Generators</u>

i. <u>New Source Performance Standard Requirements (NSPS) Subpart IIII</u>

A. Pursuant to 40 CFR 60.4205, the Permittee shall meet the applicable emission standards for emergency engines.

B. Pursuant to 40 CFR 60.4206, the Permittee shall meet the applicable emission standards over the entire life of each engine.

C. Pursuant to 40 CFR 60.4207, the Permittee shall meet the applicable fuel requirements.

D. Pursuant to 40 CFR 60.4208, the Permittee shall meet the deadline for importing or installing stationary CI ICE produced in previous model years.

E. Pursuant to 40 CFR 60.4209, the Permittee shall meet the applicable monitoring requirements.

F. Pursuant to 40 CFR 60.4211, the Permittee shall meet the applicable compliance requirements.

I. Pursuant to 40 CFR 60.4211(f), the Permittee must operate each emergency stationary ICE according to the requirements in 40 CFR 60.4211(f)(1) through (3). In order for each engine to be considered an emergency stationary ICE under 40 CFR 60 Subpart IIII, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 60.4211(f)(1) through (3), is prohibited. If the Permittee does not operate the engine according to the requirements in 40 CFR 60.4211(f)(1) through (3), the engine will not be considered an emergency engine under 40 CFR 60 Subpart IIII and must meet all requirements for non-emergency engines.

G. Pursuant to 40 CFR 60.4214, the Permittee shall meet the applicable notification, reporting, and recordkeeping requirements.

H. Pursuant to 40 CFR 60.4218, the Permittee shall meet the applicable General Provisions and confidential information provisions. See Section 7.2(a).

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

A. Pursuant to 40 CFR 63.6590(c), for each engine category listed below, the Permittee must meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII for compression ignition engines. No further requirements apply for such engines under 40 CFR 63 Subpart ZZZZ.

I. A new or reconstructed stationary RICE located at an area source.

iii. State Requirements (SIP)

A. Pursuant to 35 IAC 214.305(a)(2), the sulfur content of all distillate fuel oil used by Emergency Generators EG-01, EG-022, and EG-035 must not exceed 15 ppm.

Compliance Method

B. Pursuant to 35 IAC 214.305(a)(3), the Permittee must:

I. Maintain records demonstrating that the fuel oil used by Generators EG-01, EG-022, and EG-035 complies with the requirements in 35 IAC 214.305(a)(2), such as records from the fuel supplier indicating the sulfur content of the fuel oil.

II. Retain the records for at least 5 years, and provide copies of the records to the Illinois EPA within 30 days after receipt of a request by the Illinois EPA.

iv. Title I Requirements (Construction Permits #21120011 and #23110003)

A. Pursuant to Construction Permits #21120011 and #23110003 and Section 39.5(7)(a) of the Act, the maximum fuel usage for Emergency Generators EG-01, EG-022, and EG-035 shall not exceed 6,730 gallons/year (combined). [T1R]

B. Pursuant to Construction Permit #21120011, emissions from Emergency Generator EG-01 shall not exceed the following limits: [T1]

Pollutant	Emissions (tons/year)
Particulate Matter (PM)	0.01
Sulfur Dioxide (SO_2)	0.01
Volatile Organic Material (VOM)	0.01
Carbon Monoxide (CO)	0.07
Nitrogen Oxides (NOx)	0.36

C. Pursuant to Construction Permit #23110003, emissions from Emergency Generators EG-022 and EG-035 shall not exceed the following limits: [T1]

Pollutant	Emissions (tons/year) Two Genset
Particulate Matter (PM)	0.01
Sulfur Dioxide (SO_2)	0.01
Volatile Organic Material (VOM)	0.01
Carbon Monoxide (CO)	0.10
Nitrogen Oxides (NOx)	0.49

Compliance Method

D. 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).

E. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records, with supporting documentation (including emission factors for calculating annual emissions) and calculations:

I. For the amounts of fuel used by Emergency Generators EG-01, EG-022, and EG-035 (gallons/month and gallons/year).

II. Monthly and annual emissions of PM, SO_2, VOM, CO, and NOx from Emergency Generator EG-01 (tons/month and tons/year).

III. Monthly and annual emissions of PM, SO_2, VOM, CO, and NOx from Emergency Generators EG-022 and EG-035 (tons/month and tons/year).

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. 2,100-gallon diesel storage tanks (3 units) 10,028-gallon diesel storage tanks (52 units)	55	35 IAC 201.210(a)(2) or (a)(3)

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 218.122(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 218.121(a) or is fitted with a recovery system as described in 35 IAC 218.121(b)(2). Exception as provided in 35 IAC 218.122(c): If no odor nuisance exists the limitations of 35 IAC 218.122 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 60 Subpart A Requirements (NSPS)

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

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

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)	3.0
Sulfur Dioxide (SO_2)	0.1
Particulate Matter (PM)	1.1
Nitrogen Oxides (NO_X)	63.8
Hazardous Air Pollutants, not included above (HAP)	--
Total	68.0

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]

Attachment 1 – List of Emission Units at This Source

Section	*Emission Units*	*Description*
4.1	Emergency Generators	Source operates three data centers with a total of fifty-five (55) emergency generators. Of these, 52 units are rated at 4,376 HP each, while the remaining 3 units are rated at 762 HP each and are considered insignificant activities. All emergency generators are powered by compression ignition internal combustion engines that fire ultra-low sulfur diesel (ULSD) and/or renewable diesel fuel.

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
CI	Compression Ignition
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
ICE	Internal Combustion Engine(s)
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
lb	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
NOx	Nitrogen oxides
NMHC	Nonmethane Hydrocarbons
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
ULSD	Ultra-Low Sulfur Diesel
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

Via Other Means:
Illinois EPA, Bureau of Air
Compliance Section (MC 40)
2520 West Iles Ave
Springfield, IL 62704

Phone No.: 217-782-2113

IEPA Stack Test Specialist

Illinois EPA, Bureau of Air
Compliance Section
Source Monitoring - Third Floor
9511 Harrison Street
Des Plaines, IL 60016

Phone No.: 847-294-4000

IEPA Air Quality Planning Section

Via USPS:
Illinois EPA, Bureau of Air
AQPS Section (MC 39)
2520 West Iles Ave
P.O. Box 19276
Springfield, IL 62794-9276

Via Other Means:
Illinois EPA, Bureau of Air
AQPS Section (MC 39)
2520 West Iles Ave
Springfield, IL 62704

Phone No.: 217-782-2113

IEPA Air Regional Field Operations Regional Office #1

Illinois EPA, Bureau of Air
Regional Office #1
9511 Harrison Street
Des Plaines, IL 60016

Phone No.: 847-294-4000

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

Via Other Means:
Illinois EPA, Bureau of Air
Permit Section (MC 11)
2520 West Iles Ave
Springfield, IL 62704

Phone No.: 217-785-1705

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