INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • Fax (317) 233-6647 • www.idem.IN.gov

Mike Braun
Governor

Clint Woods
Commissioner

To:	Interested Parties
Date:	August 22, 2025
From:	Jenny Acker, Chief Permits Branch Office of Air Quality
Source Name:	Amazon Data Services Incorporated
Permit Level:	TV Significant Source Modification (Minor PSD/EO)
Permit Number:	141-48867-00642
Source Location:	31100 Edison Rd, New Carlisle, IN 46552
Type of Action Taken:	Modification at an existing source

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the matter referenced above.

The final decision is available on the IDEM website at: https://www.in.gov/apps/idem/caats/. To view the document, choose Search Option by **Permit Number**, then enter permit 48867

The final decision is also available via IDEM's Virtual File Cabinet (VFC) located at https://www.in.gov/idem/legal/public-records/virtual-file-cabinet/. Click on the Virtual File Cabinet button. Click on the "Search" dropdown menu in the upper left corner and select "OAQ Permit" from the list of options. Select "Public" in the "Security group" dropdown menu. Type the five-digit permit number 48867 in the Permit # search field, select "Final" in the "Permit Type" dropdown menu, then click the search button at the top or bottom of the webpage. The search will return the final issued permit and any applicable mailing list.

(continues on next page)

If you would like to request a paper copy of the permit document, please contact IDEM's Office of Records Management:

IDEM - Office of Records Management
Indiana Government Center North
100 North Senate Avenue
Indianapolis, IN 46204-2251
Phone: (317) 232-8667
Fax: (317) 233-6647
Email: IDEMFILEROOM@idem.in.gov

Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Indiana Office of Administrative Law Proceedings, 100 N. Senate Avenue Suite N802, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Indiana Office of Administrative Law Proceedings (OALP) or;
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OALP by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OALP by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

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Mike Braun
Governor

Clint Woods
Commissioner

August 22, 2025

David Monaghan
Amazon Data Services, Inc.
13820 Sunrise Valley Drive
Herndon, VA 20171

Re: 141-48867-00642
Significant Source Modification

Dear David Monaghan:

Amazon Data Services, Inc. was issued Part 70 Operating Permit No. T141-47750-00642 on January 28, 2025 for a stationary data center located at 31100 Edison Road, New Carlisle, IN 46552.

An application to modify the source was received on March 18, 2025.

Pursuant to the provisions of 326 IAC 2-7-10.5, a Significant Source Modification is hereby approved as described in the attached Technical Support Document.

Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

(a) Four (4) diesel-fired critical emergency generators, each nominally rated at 2,750 kW, identified as CEG235 through CEG238, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 4,061 hp (3,028.3 kW), each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE235 through CE238, and exhausting through stacks S235-S238.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(b) Four (4) diesel storage tanks, identified as BT235 through BT238, approved in 2025 for construction, each with a maximum capacity of 6,500 gallons, uncontrolled, and exhausting outdoors.

The following construction conditions are applicable to the proposed modification:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

3. Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

Commenced Construction

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(j), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Approval to Construct

6. Pursuant to 326 IAC 2-7-10.5(h)(2), this Significant Source Modification authorizes the construction of the new emission unit(s), when the Significant Source Modification has been issued.

   Pursuant to 326 IAC 2-7-10.5(m), the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

   Pursuant to 326 IAC 2-7-12, operation of the new emission unit(s) is not approved until the Significant Permit Modification has been issued. Operating conditions shall be incorporated into the Part 70 Operating Permit as a Significant Permit Modification in accordance with 326 IAC 2-7-10.5(m)(2) and 326 IAC 2-7-12 (Permit Modification).

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. A copy of the application and permit is also available via IDEM's Virtual File Cabinet (VFC) located at https://www.in.gov/idem/legal/public-records/virtual-file-cabinet/. Once you have accessed VFC, you will then have the option to search for source related documents using a variety of criteria. To find documents related to this air permit, click on "Advanced Search", specify "OAQ" in the Program search field, specify the five-digit permit number "48867" in the Permit # search field, then click the Search button at the top or bottom of the webpage.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: https://www.in.gov/idem/airpermit/public-participation/; and the Citizens' Guide to IDEM on the Internet at: https://www.in.gov/idem/resources/citizens-guide-to-idem/.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions regarding this matter, please contact Alexandrea Neuzerling, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, Indiana Government Center North, 100 North Senate Avenue, Room 13W, Indianapolis, Indiana 46204-2251, or by telephone at (317) 232-6634 or (800) 451-6027, and ask for Alexandrea Neuzerling or (317) 232-6634.

Sincerely,

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Significant Source Modification and Technical Support Document

cc: File – St. Joseph County
St. Joseph County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch
IDEM Northern Regional Office

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Mike Braun
Governor

Clint Woods
Commissioner

Significant Source Modification to a Part 70 Source

OFFICE OF AIR QUALITY

Amazon Data Services, Inc.
31100 Edison Road
New Carlisle, Indiana 46552

(herein known as the Permittee) is hereby authorized to construct subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for new and/or existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Significant Source Modification No.: 141-48867-00642 Master Agency Interest ID.: 133954	
Issued by: Madhima Das for Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: August 22, 2025

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We appreciate your input!

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Attachment B: 40 CFR 63, Subpart ZZZZ, NESHAP for Stationary Reciprocating Internal Combustion Engines

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(20)]

The Permittee owns and operates a stationary data center.

Source Address:	31100 Edison Rd., New Carlisle, Indiana 46552
General Source Phone Number:	(541) 303-2380
SIC Code:	7374 (Computer Processing and Data Preparation and Processing Services)
County Location:	St Joseph
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

This stationary source consists of the following emission units and pollution control devices:

(a) Two hundred and thirty-eight (238) diesel-fired critical emergency generators, each nominally rated at 2,750 kW, identified as CEG1 through CEG238, approved in 2025 for construction, manufactured in 2024 each with a maximum output horsepower rating of 4,061 hp (3,028.3 kW), each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE1 through CE238, and exhausting through stacks S1 through S238.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

A.3 Insignificant Activities [326 IAC 2-7-1(19)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(19):

(a) Seven (7) diesel-fired house emergency generators, each nominally rated at 750 kW, identified as HG1 through HG7, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 1,112 hp (829.2 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(b) Five (5) diesel-fired ancillary emergency generators:

(1) Two (2) diesel-fired ancillary emergency generators for water treatment system, each nominally rated at 1,500 kW, identified as WTPGen1 and WTPGen2, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 2,206 hp (1,645 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(2) One (1) diesel-fired ancillary emergency generator for administration building, nominally rated at 400 kW, identified as CABGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 619 hp (461.6 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(3) One (1) diesel-fired ancillary emergency generator for logistics building, nominally rated at 400 kW, identified as CLBGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 619 hp (461.6 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(4) One (1) diesel-fired ancillary emergency generator for security building, nominally rated at 250 kW, identified as ACBGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 398 hp (296.8 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(c) Two hundred and fifty-nine (259) diesel storage tanks:

(1) Two hundred and thirty-eight (238) diesel storage tanks, identified as BT1 through BT238, approved in 2025 for construction, each with a maximum capacity of 6,500 gallons, uncontrolled, and exhausting outdoors.

(2) Seven (7) diesel storage tanks, identified as BTHG1 through BTHG7, approved in 2025 for construction, each with a maximum capacity of 1,620 gallons, uncontrolled, and exhausting outdoors.

(3) Two (2) diesel storage tanks, identified as BTWTP1 and BTWTP2, approved in 2025 for construction, each with a capacity of 5,000 gallons, uncontrolled, and exhausting outdoors.

(4) One (1) diesel storage tank, identified as BTCAB1, approved in 2025 for construction, with a maximum capacity of 1,000 gallons, uncontrolled, and exhausting outdoors.

(5) One (1) diesel storage tank, identified as BTCLB1, approved in 2025 for construction, with a maximum capacity of 1,000 gallons, uncontrolled, and exhausting outdoors.

(6) One (1) diesel storage tank, identified as BTACB1, approved in 2025 for construction, with a maximum capacity of 1,000 gallons, uncontrolled, and exhausting outdoors.

(7) Nine (9) bulk diesel storage tanks, identified as TK1 through TK9, approved in 2025 for construction, each with a capacity of 12,000 gallons, uncontrolled, and exhausting outdoors.

(d) Paved Roads.

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(20);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when prior to the start of operation, the following requirements are met:

(a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.

(b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.

(c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

B.4 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, T141-47750-00642, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.5 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.6 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.7 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.8 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.9 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ 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 Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.10 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(33), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(33).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee’s control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

The Permittee shall implement the PMPs.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.13 Reserved

B.14 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T141-47750-00642 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

B.16 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source’s existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]

The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.18 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(19) and 326 IAC 2-7-1(39). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.19 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.21 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1) and (c)(1).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(35)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

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

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.22 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.23 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.24 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.25 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-8590 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.26 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.4 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.5 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(c).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(d).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.6 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.7 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.8 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

(a) For new units:
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) For existing units:
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

C.9 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.10 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

no later than 180 days from the date on which this source commences operation.

The ERP does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.11 Risk Management Plan [326 IAC 2-7-5(11)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.12 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) records that indicate operations have returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.14 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

(a) A record of all malfunctions, startups or shutdowns of any emission unit or emission control equipment, that results in violations of applicable air pollution control regulations or applicable emission limitations must be kept and retained for a period of three (3) years and be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any emission unit or emission control equipment occurs that lasts more than one (1) hour, the condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification must be made by telephone or other electronic means, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of the occurrence.

(c) Failure to report a malfunction of any emission unit or emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information on the scope and expected duration of the malfunction must be provided, including the items specified in 326 IAC 1-6-2(c)(3)(A) through (E).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.15 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(31) (“Regulated pollutant, which is used only for purposes of Section 19 of this rule”) from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

C.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:
    (AA) All calibration and maintenance records.
    (BB) All original strip chart recordings for continuous monitoring instrumentation.
    (CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following, where applicable:

(AA) The date, place, as defined in this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.
(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section C - Malfunctions Report satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.18 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) Two hundred and thirty-eight (238) diesel-fired critical emergency generators, each nominally rated at 2,750 kW, identified as CEG1 through CEG238, approved in 2025 for construction, manufactured in 2024 each with a maximum output horsepower rating of 4,061 hp (3,028.3 kW), each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE1 through CE238, and exhausting through stacks S1 through S238.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

Insignificant Activities:

(a) Seven (7) diesel-fired house emergency generators, each nominally rated at 750 kW, identified as HG1 through HG7, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 1,112 hp (829.2 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(b) Five (5) diesel-fired ancillary emergency generators:

(1) Two (2) diesel-fired ancillary emergency generators for water treatment system, each nominally rated at 1,500 kW, identified as WTPGen1 and WTPGen2, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 2,206 hp (1,645 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(2) One (1) diesel-fired ancillary emergency generator for administration building, nominally rated at 400 kW, identified as CABGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 619 hp (461.6 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(3) One (1) diesel-fired ancillary emergency generator for logistics building, nominally rated at 400 kW, identified as CLBGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 619 hp (461.6 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(4) One (1) diesel-fired ancillary emergency generator for security building, nominally rated at 250 kW, identified as ACBGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 398 hp (296.8 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 NOx, VOC, and CO PSD Minor Limits [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:

(a) The total NOx emissions from the 238 diesel-fired critical emergency generators (CEG1 through CEG238) shall not exceed two hundred twenty (220) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) The total VOC emissions from the 238 diesel-fired critical emergency generators (CEG1 through CEG238) shall not exceed fifty-five (55) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(c) The total CO emissions from the 238 diesel-fired critical emergency generators (CEG1 through CEG238) shall not exceed two hundred and five (205) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit NOx, VOC, and CO from all other emission units at this source, shall limit the source-wide total potential to emit of NOx, VOC, and CO to less than 250 tons per twelve (12) consecutive month period, each, and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable to the construction of this source.

D.1.2 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), the particulate matter emissions from each emission unit listed above shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and any associated control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-7-5(1)]

D.1.4 NOx Emissions

In order to comply with Condition D.1.1(a), the total monthly NOx emissions shall be determined using the following equation for CEG1 through CEG238:

NE = Uncontrolled NOx + Controlled NOx
= $[(DFU_U)(NEF_U) + (DFU_C)(NEF_C)]$ / 2,000 lbs/ton

Where:

NE = Total NOx Emissions, tons per month
= Uncontrolled NOx emissions + Controlled NOx emissions

DFU_U = Total Uncontrolled Diesel Fuel Usage, gallons per month

NEF_U = Uncontrolled Emission Factors for NOx
= 0.477 pounds per gallon for Cummins engines,
= 0.285 pounds per gallon for CAT engines

NOx emissions are considered uncontrolled until the SCR reaches an operating temperature of 572°F.

DFU_C = Total Controlled Diesel Fuel Usage, gallons per month

NEF_C = Controlled Emission Factors for NOx,
= 0.040 pounds per gallon for Cummins engines,
= 0.023 pounds per gallon for CAT engines

NOx emissions are considered controlled after the SCR of the emissions control system reaches a minimum operating temperature of 572°F.

D.1.5 VOC Emissions

In order to comply with Condition D.1.1(b), the total monthly VOC emissions shall be determined using the following equation for CEG1 through CEG238:

$$VE = [(DFU_C)(VEF_C)] / 2{,}000 \text{ lbs/ton}$$

Where:

VE = Controlled VOC Emissions, tons per month

DFU_C = Total Diesel Fuel Usage, gallons per month

VEF_C = Controlled Emission Factors for VOC
= 0.017 pounds per gallon for Cummins engines.
= 0.006 pounds per gallon for CAT engines

D.1.6 CO Emissions

In order to comply with Condition D.1.1(c), the total monthly CO emissions shall be determined using the following equation for CEG1 through CEG238:

$$CE = [(DFU_C)(CEF_C)] / 2{,}000 \text{ lbs/ton}$$

Where:

CE = Controlled CO Emissions, tons per month

DFU_C = Total Diesel Fuel Usage, gallons per month

CEF_C = Controlled Emission Factors for CO
= 0.028 pounds per gallon for Cummins engines.
= 0.020 pounds per gallon for CAT engines

D.1.7 NOx, VOC, and CO Control

(a) NOx
In order to assure compliance with Conditions D.1.1(a) and D.1.4, and for the Permittee to consider the NOx emissions to be after control, the associated emissions control systems (CE1 through CE238) shall be in operation and control NOx emissions from each of the 238 diesel-fired critical emergency generators (CEG1 through CEG238) at all times any of the 238 diesel-fired emergency generators (CEG1 through CEG238) are in operation and the catalyst bed exhaust temperature of the SCR reaches a minimum temperature of 572°F.

(b) VOC and CO
In order to assure compliance with Conditions D.1.1(b) and (c), D.1.5, and D.1.6, the associated emissions control system (CE1 through CE238) shall be in operation and control VOC and CO emissions from each of the 238 diesel-fired critical emergency generators (CEG1 through CEG238) at all times any of the 238 diesel-fired emergency generators (CEG1 through CEG238) are in operation.

D.1.8 Testing Requirements [326 IAC 2-1.1-11]

In order to determine compliance with Conditions D.1.1(a), D.1.1(b), and D.1.1(c), the Permittee shall perform NOx, VOC, and CO testing on a representative sample of ten (10) emissions control systems (CE1 through CE238) no later than 180 days after initial startup of ten (10) critical emergency generators (CEG1 through CEG238).

The representative sample of ten (10) emissions control systems shall contain both CAT engines and Cummins engines in proportion to the number of CAT engines versus Cummins engines that are in operation at the time of the test.

The Permittee shall demonstrate the control system's capability to achieve a temperature of 572°F at the catalyst bed exhaust during each stack test that demonstrates compliance with the limits in Condition D.1.1(a).

These tests shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Repeat testing shall be done for a representative sample of ten (10) critical emergency generators that have not previously been tested until all units have been tested.

These tests shall be conducted utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligations with regard to the performance testing required by this condition.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.1.9 Emissions Control System - Temperature Monitoring

(a) A continuous monitoring system shall be calibrated, maintained, and operated on the emissions control systems (CE1 through CE238) for measuring the catalyst bed exhaust temperature and correlated to run date, engine load/kilowatt output, and engine operating hours. For purposes of this condition, continuous means no less often than once per fifteen (15) minutes.

From the date of startup until the stack test results are available, the Permittee shall operate the emissions control systems (CE1 through CE238) at or above a temperature of 572°F at the catalyst bed exhaust.

(b) On and after the date the most recent compliant stack test results are available, the Permittee shall operate the emissions control systems (CE1 through CE238) at or above a temperature of 572°F at the catalyst bed exhaust, except during periods of start-up or shutdown or during routine maintenance or repairs.

(c) If the catalyst bed exhaust temperature falls below the above mentioned temperature, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A catalyst bed exhaust temperature reading below the above mentioned temperature is not a deviation from this permit. Failure to response steps shall be considered a deviation from this permit.

D.1.10 Emissions Control System - Urea Treatment

(a) The engine exhaust gas shall be treated with urea when the catalyst bed reaches an exhaust temperature of 572°F or more.

A continuous monitoring system shall be calibrated, maintained, and operated on the emissions control systems (CE1 through CE238) for detecting the urea injection status and shall be equipped with a mechanism to detect parameters which exceed manufacturer’s recommended thresholds and trigger an alarm to operators when the emissions control systems are not operating within the manufacturer’s recommended conditions.

(b) If no urea injection status reading is observed when the catalyst bed is equal to or greater than an exhaust temperature of 572°F, the Permittee shall take a reasonable response. Section C – Response to Excursions and Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition.

No urea injection status reading is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.11 Record Keeping Requirement

(a) To document the compliance status with Conditions D.1.1(a), D.1.1(b), D.1.1(c), D.1.4, D.1.5, and D.1.6, the Permittee shall maintain records in accordance with (1) through (5) below. Records shall be taken monthly and shall be complete and sufficient to establish compliance:

(1) The total amount of diesel fuel used for CEG1 through CEG238 when the SCR is operating below 572°F. Records should differentiate between fuel usage by Cummins engines and CAT engines.

(2) The total amount of diesel fuel used for CEG1 through CEG238 when the SCR is operating above 572°F. Records should differentiate between fuel usage by Cummins engines and CAT engines.

(3) The calculated total NOx emissions from CEG1 through CEG238, as determined in Condition D.1.4.

(4) The calculated total VOC emissions from CEG1 through CEG238, as determined in Condition D.1.5.

(5) The calculated total CO emissions from CEG1 through CEG238, as determined in Condition D.1.6.

(b) To document the compliance status with Condition D.1.9, the Permittee shall maintain continuous temperature records for the emissions control systems (CE1 through CE238) and the catalyst bed exhaust temperature achieved to demonstrate compliance during the most recent compliant stack test.

The Permittee shall include in its daily record when a catalyst bed exhaust temperature reading is not taken and the reason for the lack of a catalyst bed exhaust temperature record (e.g., the process did not operate that day).

(c) To document the compliance status with Condition D.1.10, the Permittee shall maintain continuous records of the urea injection status readings of the emissions control systems (CE1 through CE238).

The Permittee shall include in its daily record when an urea injection status reading is not taken and the reason for the lack of the record (e.g., the process did not operate that day).

(d) Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(e) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.1.12 Reporting Requirements

(a) A quarterly summary of the information to document the compliance status with Conditions D.1.1(a), D.1.1(b), and D.1.1(c) shall be submitted, using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days following the end of each calendar quarter. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(33).

(b) Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition.

SECTION E.1 NSPS

Emissions Unit Description:

(a) Two hundred and thirty-eight (238) diesel-fired critical emergency generators, each nominally rated at 2,750 kW, identified as CEG1 through CEG238, approved in 2025 for construction, manufactured in 2024 each with a maximum output horsepower rating of 4,061 hp (3,028.3 kW), each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE1 through CE238, and exhausting through stacks S1 through S238.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

Insignificant Activities:

(a) Seven (7) diesel-fired house emergency generators, each nominally rated at 750 kW, identified as HG1 through HG7, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 1,112 hp (829.2 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(b) Five (5) diesel-fired ancillary emergency generators:

(1) Two (2) diesel-fired ancillary emergency generators for water treatment system, each nominally rated at 1,500 kW, identified as WTPGen1 and WTPGen2, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 2,206 hp (1,645 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(2) One (1) diesel-fired ancillary emergency generator for administration building, nominally rated at 400 kW, identified as CABGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 619 hp (461.6 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(3) One (1) diesel-fired ancillary emergency generator for logistics building, nominally rated at 400 kW, identified as CLBGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 619 hp (461.6 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(4) One (1) diesel-fired ancillary emergency generator for security building, nominally rated at 250 kW, identified as ACBGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 398 hp (296.8 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart IIII.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

E.1.2 Stationary Compression Ignition Internal Combustion Engines NSPS [326 IAC 12] [40 CFR Part 60, Subpart IIII]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart IIII (included as Attachment A to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission unit(s) listed above:

(1) 40 CFR 60.4200(a)(2)(i), (a)(4), and (c)
(2) 40 CFR 60.4205(b) and (e)
(3) 40 CFR 60.4206

(4) 40 CFR 60.4207(b)
(5) 40 CFR 60.4208(a)
(6) 40 CFR 60.4209(a) and (b)
(7) 40 CFR 60.4211(a), (c), (f), (g)(2), and (g)(3)
(8) 40 CFR 60.4212(a), (b), (c), and (e)
(9) 40 CFR 60.4214(b), (c), (d), (f), (g), (h), (i), and (j)
(10) 40 CFR 60.4218
(11) 40 CFR 60.4219
(12) Table 5 to 40 CFR 60, Subpart IIII
(13) Table 8 to 40 CFR 60, Subpart IIII

SECTION E.2 NESHAP

Emissions Unit Description:

(a) Two hundred and thirty-eight (238) diesel-fired critical emergency generators, each nominally rated at 2,750 kW, identified as CEG1 through CEG238, approved in 2025 for construction, manufactured in 2024 each with a maximum output horsepower rating of 4,061 hp (3,028.3 kW), each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE1 through CE238, and exhausting through stacks S1 through S238.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

Insignificant Activities:

(a) Seven (7) diesel-fired house emergency generators, each nominally rated at 750 kW, identified as HG1 through HG7, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 1,112 hp (829.2 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(b) Five (5) diesel-fired ancillary emergency generators:

(1) Two (2) diesel-fired ancillary emergency generators for water treatment system, each nominally rated at 1,500 kW, identified as WTPGen1 and WTPGen2, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 2,206 hp (1,645 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(2) One (1) diesel-fired ancillary emergency generator for administration building, nominally rated at 400 kW, identified as CABGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 619 hp (461.6 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(3) One (1) diesel-fired ancillary emergency generator for logistics building, nominally rated at 400 kW, identified as CLBGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 619 hp (461.6 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(4) One (1) diesel-fired ancillary emergency generator for security building, nominally rated at 250 kW, identified as ACBGen1, approved in 2025 for construction, manufactured in 2024, with a maximum output horsepower rating of 398 hp (296.8 kW), uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.1 the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 63, Subpart ZZZZ.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

E.2.2 Stationary Reciprocating Internal Combustion Engines NESHAP [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82]

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment B to the operating permit), which are incorporated by reference as 326 IAC 20-82, for the emission unit(s) listed above:

(1) 40 CFR 63.6580
(2) 40 CFR 63.6585(a), (c), and (d)

(3) 40 CFR 63.6590(a)(2)(iii) and (c)(1)
(4) 40 CFR 63.6595(a)(7) and (c)
(5) 40 CFR 63.6605
(6) 40 CFR 63.6640(f)(1), (f)(2)(i), and (f)(4)
(7) 40 CFR 63.6665
(8) 40 CFR 63.6670
(9) 40 CFR 63.6675

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, Indiana 46552
Part 70 Permit No.: T141-47750-00642

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify) _____

☐ Report (specify) _____

☐ Notification (specify) _____

☐ Affidavit (specify) _____

☐ Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.	
Signature:	
Printed Name:	
Title/Position:	
Email Address:	Phone:
Date:	

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FAX NUMBER: (317) 233-6865
EMAIL: AirCompl@idem.in.gov

Source Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, IN 46552
Permit No.: T141-47750-00642

For any malfunction lasting one (1) hour or longer, the Permittee must submit this form to the Office of Air Quality (OAQ), within four (4) daytime business hours of malfunction start.

If any of the following are not applicable, mark N/A. This form consists of two (2) pages.

Page 1 of 2

This malfunction resulted in a violation of the following Indiana Administrative Code, permit condition, and/or permit limit and meets the definition of "malfunction" as listed on reverse side (e.g., 326 IAC 5-1, Permit Condition D.1.1, 40 CFR 60.62, etc.):

Describe affected facility/equipment/operation (e.g., Coating Line #2, Boiler D, Diesel engine, No. 3 smelter, etc.):	
Control equipment (e.g., Baghouse B4, Thermal oxidizer for Paint Line #1, etc.):	
Description of the malfunction and cause:	
When the malfunction started:	Date (MM/DD/YYYY):
	Time (HH:MM):
When the malfunction was corrected or is expected to be corrected:	Date (MM/DD/YYYY):
	Time (HH:MM):

Type of pollutant(s) emitted (e.g., PM, PM10, PM2.5, VOC, etc.):
Estimated amount of pollutant(s) emitted during malfunction (e.g., VOC at 35 lbs/hr, 5 tons of PM, etc.):
Describe the corrective actions and interim control measures taken to minimize emissions (e.g., shut coating line down, isolated failing baghouse compartment, idled furnace operations until repairs completed, etc.):

Form completed by: _____

Title/position: _____

Signature:_____

Date:_____

Phone: _____

Email: _____

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1, 326 IAC 2-6.1, 326 IAC 2-7, or 326 IAC 2-8.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, Indiana 46552
Part 70 Permit No.: T141-47750-00642
Facility: 238 Diesel-Fired Critical Emergency Generators (CEG1 through CEG238)
Parameter: Total NOx Emissions
Limit: Shall not exceed two hundred twenty (220) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER:_____ YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	(*NOx Emissions*) (*tons*)	(*NOx Emissions*) (*tons*)	(*NOx Emissions*) (*tons*)
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this quarter.
☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone:_____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, Indiana 46552
Part 70 Permit No.: T141-47750-00642
Facility: 238 Diesel-Fired Critical Emergency Generators (CEG1 through CEG238)
Parameter: Total VOC Emissions
Limit: Shall not exceed fifty-five (55) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER:_____ YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	(*VOC Emissions*) (*tons*)	(*VOC Emissions*) (*tons*)	(*VOC Emissions*) (*tons*)
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this quarter.
☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone:_____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, Indiana 46552
Part 70 Permit No.: T141-47750-00642
Facility: 238 Diesel-Fired Critical Emergency Generators (CEG1 through CEG238)
Parameter: Total CO Emissions
Limit: Shall not exceed two hundred and five (205) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER:_____ YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	(*CO Emissions*) (*tons*)	(*CO Emissions*) (*tons*)	(*CO Emissions*) (*tons*)
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this quarter.
☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone:_____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, Indiana 46552
Part 70 Permit No.: T141-47750-00642

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section C - Malfunctions Report satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

Mail to: Permit Administration and Support Section
Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251

Amazon Data Services, Inc.
31100 Edison Rd.
New Carlisle, Indiana 46552

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.

2. I hold the position of _____ for _____.
(Title) (Company Name)

3. By virtue of my position with _____, I have personal
(Company Name)
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of _____.
(Company Name)

4. I hereby certify that Amazon Data Services, Inc., 31100 Edison Rd., New Carlisle, Indiana 46552, completed construction of the data center on _____ in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on April 19, 2024 and as permitted pursuant to New Source Construction Permit and Part 70 Operating Permit No. T141-47750-00642, Plant ID No. 141-00642 issued on January 28, 2025.

5. **Permittee, please cross out the following statement if it does not apply:** Additional (operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature_____
Date_____

STATE OF INDIANA)
)SS
COUNTY OF _____)

Subscribed and sworn to me, a notary public in and for _____ County and State of Indiana on this _____ day of _____, 20_____. My Commission expires: _____.

Signature_____
Name_____ (typed or printed)

If the source location has been given an Enhanced 911 service address that is different than the source location address specified in the current permit, please provide the Enhanced 911 service address in the space below and please submit a permit application to modify the permit to specify the Enhanced 911 service address.

_____	_____	_____	_____
(Location Address*)*	*(City)*	*(State)*	*(ZIP Code)*

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Significant Source Modification and Significant Permit Modification

Source Description and Location

Source Name:	**Amazon Data Services, Inc.**
Source Location:	**31100 Edison Rd., New Carlisle, IN 46552**
County:	**St. Joseph**
SIC Code:	**7374 (Computer Processing and Data Preparation and Processing Services)**
Operation Permit No.:	**T141-47750-00642**
Operation Permit Issuance Date:	**January 28, 2025**
Significant Source Modification No.:	**141-48867-00642**
Significant Permit Modification No.:	**141-48888-00642**
Permit Reviewer:	**Alexandrea Neuzerling**

Updated Source Definition

The following source determination is being updated due to the clarification of the address. Amazon Data Services, Inc. did not change locations. This update reflects the accurate address of the source now that construction has begun.

The following data centers are considered in the source determination:

(a) SBN100, data center located at ~~55001 Larrison Blvd.,~~ **31100 Edison Rd.,** New Carlisle, St. Joseph County, Indiana 46552 (141-00642), and
(b) SBN201, data center to be located at the intersection of Western Avenue and Larrison Blvd., New Carlisle, Indiana, 46552 (~~No Source ID~~**141-00650**).

IDEM's Nonrule Policy Documents Air-005 applies to the definition of "major source" in 326 IAC 2-7-1(22). IDEM's Nonrule Policy Document Air-006 provides additional policy guidance to permitting on-site contractors. All of IDEM's nonrule policy documents are available at https://www.in.gov/idem/resources/nonrule-policies/effective-nonrule-policies/ on IDEM's website.

IDEM, OAQ has examined whether these plants are part of the same Part 70 major source. The term "major source" is defined at 326 Indiana Administrative Code 2-7-1(22). The Indiana Administrative Code is available at http://www.in.gov/legislative/iac/iac_title?iact=326 on the Internet. In order for these plants to be considered as a major source under 326 IAC 2-7-1(22)(B) and (C), all three of the following criteria must be met:

(a) The plants must have common ownership and/or control;
(b) The plants must have the same two-digit Standard Industrial Classification (SIC) Code or one must serve as a support facility to the other; and
(c) The plants must be located on the same, contiguous or adjacent properties.

First Criteria - Common Ownership or Control:

The first criteria to be considered is whether these plants are under common ownership or control. NPD Air-005 states:

Common ownership may exist in several forms.
- If a third party has ownership of fifty-one percent (51%) or more in each of two (2) or more entities, common ownership exists.

- If two (2) or more entities share common corporate officers, in whole or in substantial part, who are responsible for the day-to-day operations of the entities, common ownership exists.
- If one entity has fifty-one percent (51%) or greater ownership of another entity, common ownership exists.

SBN100 and SBN201 will be under common ownership of Amazon Data Services, Inc. The 2 data centers meet the first criteria of the major source definition.

Second Criteria - Common SIC Code or Support Facility:

The second criteria is whether either of the plants have a common two-digit Standard Industrial Classification (SIC) Code or if one plant serves as a support facility for the other plant. The Standard Industrial Classification Manual of 1987 sets out how to determine the proper SIC Code for each type of business. More information about SIC Codes is available at https://www.osha.gov/data/sic-manual on the Internet. The SIC Code is determined by looking at the principal product or activity of each plant.

SBN100 and SBN201 will both be data centers under SIC Major Group 73 (Business Services).

The 2 data centers meet the second criteria of the major source definition.

However, since the data centers meet the second criteria of the major source definition, it is not necessary to determine if they have a support facility relationship.

Third Criteria - Same, Contiguous, or Adjacent Properties:

The third and last criteria of the major source definition is whether the plants are on the same, contiguous or adjacent properties. Plants located on properties that share a common property border are contiguous.

SBN100 and SBN201 will not be located on properties that share a common border. Therefore they are not contiguous. Then, IDEM, OAQ must determine if the plants are located on adjacent properties.

Adjacent Determination:

The term “adjacent” is not defined in Indiana’s rules. IDEM’s Nonrule Policy Document, NPD Air-005 adds the following guidance:

- Properties that actually abut at any point would satisfy the requirement of contiguous or adjacent property.
- Properties that are separated by a public road or public property would satisfy this requirement, absent special circumstances.
- Other scenarios would be examined on an individual basis with the focus on the distance between the activities and the relationship between the activities.

All IDEM evaluations of adjacency are done on a case-by-case basis looking at the specific factors for the plants involved. In addition to determining the distance between the plant properties, IDEM asks:

(1) Are materials routinely transferred between the plants?
(2) Do managers or other workers frequently shuttle back and forth to be involved actively in the plants?
(3) Is the production process itself split in any way between the plants?

These questions focus on whether the separate sources are so interrelated that they are functioning as one plant and whether the distance between them is small enough that it enables them to operate as one plant.

(a) At the shortest distance, SBN100 and SBN201 will be located approximately 0.87 miles apart from each other, and the properties will not abut at any point. The two data centers will be separated by two properties owned by private owners.

(b) Each data center will have its own emergency generators for backup power supply when the local electric supply is interrupted. The electricity generated by the emergency generators at one data center will not provide backup power to support operations at the other plant. Water treatment/cooling systems for the generators will be dedicated installations at each data center. Each data center will have its own, independent fuel storage dedicated to each data center. Fuel will not be supplied to any other location.

(c) Each data center will have its own management team and employees, which will not be shared with the other data center.

Based on the information mentioned above, SBN100 and SBN201 do not meet the third criteria of the major source definition.

Source Determination - Final Conclusion Under 326 IAC 2-7-1(22)(B) and (C):
IDEM, OAQ finds that the 2 data centers (SBN100 and SBN201) do not meet all three criteria of the major source definition and therefore these 2 data centers are not part of the same Part 70 major source.

This determination was initially made under New Source Construction/Part 70 Operating Permit No. T141-47750-00642, issued on January 28, 2025.

Existing Approvals

The source was issued New Source Construction/Part 70 Operating Permit No. T141-47750-00642 on January 28, 2025. There have been no subsequent approvals issued.

County Attainment Status

The source is located in St. Joseph County.

Pursuant to amendments to Indiana Code IC 13-17-3-14, effective July 1, 2023, a federal regulation that classifies or amends a designation of attainment, nonattainment, or unclassifiable for any area in Indiana under the federal Clean Air Act is effective and enforceable in Indiana on the effective date of the federal regulation.

Pollutant	Designation
SO_2	Unclassifiable or attainment effective April 9, 2018, for the 2010 primary 1-hour SO_2 standard. Better than national secondary standards effective March 3, 1978.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective August 3, 2018, for the 2015 8-hour ozone standard.
$PM_{2.5}$	Unclassifiable or attainment effective April 15, 2015, for the 2012 annual $PM_{2.5}$ standard.
$PM_{2.5}$	Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour $PM_{2.5}$ standard.
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Unclassifiable or attainment effective January 29, 2012, for the 2010 NO_2 standard.
Pb	Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.

(a) Ozone Standards
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. St. Joseph County has been designated as

attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) $PM_{2.5}$
St. Joseph County has been classified as attainment for $PM_{2.5}$. Therefore, direct $PM_{2.5}$, SO_2, and NOx emissions were reviewed pursuant to the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Other Criteria Pollutants
St. Joseph County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B), and there is no applicable New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of hazardous air pollutants (HAP) are counted toward the determination of Part 70 Permit applicability and source status under Section 112 of the Clean Air Act (CAA).

Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

Source Status - Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	Source-Wide Emissions Prior to Modification (ton/year)							
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Total HAPs**
Total PTE of Entire Source Excluding Fugitive Emissions*	72.12	88.62	86.01	3.38	249.37	62.56	225.83	2.39
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	--

[1]Under the Part 70 Permit program (40 CFR 70), PM_{10} and $PM_{2.5}$, not particulate matter (PM), are each considered as a "regulated air pollutant."

[2]$PM_{2.5}$ listed is direct $PM_{2.5}$.

*Fugitive HAP emissions are always included in the source-wide emissions.

(a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

(b) This existing source is not a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.

(c) These emissions are based on the TSD of New Source Construction/Part 70 Operating Permit No. T141-47750-00642, issued on January 28, 2025.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed an application, submitted by Amazon Data Service, Inc. on March 18, 2025, relating to the following:

(1) Adding four (4) new critical emergency generators:

Four (4) diesel-fired critical emergency generators, each nominally rated at 2,750 kW, identified as CEG235 through CEG238, approved in 2025 for construction, manufactured in 2024, each with a maximum output horsepower rating of 4,061 hp (3,028.3 kW), each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE235 through CE238, and exhausting through stacks S235-S238.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

These new critical emergency generators will be incorporated into the existing NOx, VOC, and CO PSD Minor limits. The mass PSD Minor Limits are not being changed as part of this modification.

(2) Adding four (4) new diesel storage tanks for the four (4) new critical emergency generators:

Four (4) diesel storage tanks, identified as BT235 through BT238, approved in 2025 for construction, each with a maximum capacity of 6,500 gallons, uncontrolled, and exhausting outdoors.

(3) Revising the existing critical emergency generators descriptions and calculations to reflect the maximum output horsepower rating of 4,061 hp:

(a) Two hundred and thirty-~~four~~ **eight** (~~234~~ **238**) diesel-fired critical emergency generators, **each nominally rated at 2,750 kW,** identified as CEG1 through ~~CEG234~~ **CEG238**, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating** of ~~2,750 kW and 26.4 MMBtu/hr~~ **4,061 hp (3,028.3 kW)**, each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE1 **through** ~~-CE234~~ **CE238**, and exhausting through stacks S1~~S234~~ **through S238**.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

Note: The non-critical emergency generators were updated similarly. See the Proposed Changes section below.

(4) Removing the following two (2) house emergency generators:

Two (2) diesel-fired house emergency generators, identified as HG8 and HG9, approved in 2025 for construction, each with a capacity of 750 kW and 7.3 MMBtu/hr, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(5) Removing the following two (2) diesel storage tanks associated with the two (2) house emergency generators also being removed:

Two (2) diesel storage tanks, identified as BTHG8 and BTHG9, approved in 2025 for construction, each with a maximum capacity of 1,620 gallons, uncontrolled, and exhausting outdoors.

(6) Correcting the Total HAP calculations to include all of the non-critical emergency generators.

The Total HAP calculations were previously inadvertently calculated only as “each” generator. As part of this modification, the total HAPs have been updated to include all non-critical emergency generators. There are no physical modifications being made to these non-critical emergency generators. See the Permit Level Determination – Part 70 Modification to an Existing Source section below and Appendix A to this TSD for more details.

The HAP calculations for the existing 234 critical emergency generators are not being changed as part of this modification.

(7) Updating the source address as follows:

Old address: ~~55001 Larrison Blvd.,~~ New Carlisle, IN 46552
New address: **31100 Edison Rd.,** New Carlisle, IN 46552

Amazon Data Services, Inc. did not change locations. This update reflects the accurate address of the source now that construction has begun.

Enforcement Issue

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70 Modification to an Existing Source

Pursuant to 326 IAC 2-1.1-1(12), Potential to Emit is defined as "the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency."

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	PTE Before Controls of the New Emission Units (ton/year)							
Process / Emission Unit	**PM**	**PM_{10}**	**$PM_{2.5}$[1]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Total HAPs**
CEG235 to CEG238	1.34	1.63	1.58	0.05	34.18	8.55	23.37	0.04
BT235 to BT238	-	-	-	-	-	Negl.	-	-
Total PTE Before Controls of the New Emission Units:	**1.34**	**1.63**	**1.58**	**0.05**	**34.18**	**8.55**	**23.37**	**0.04**
[1]$PM_{2.5}$ listed is direct $PM_{2.5}$.								

Appendix A of this TSD reflects the detailed potential emissions of the modification.

	PTE Increase of the Modified Emission Unit(s)/Process(es) (ton/year)							
Process / Emission Unit	**PM**	**PM_{10}**	**$PM_{2.5}$[1]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Total HAPs**
PTE Before Modification (CEG1 to CEG234)	70.93	86.53	83.96	2.62	1815.91	453.98	1241.34	2.38
PTE After Modification (CEG1 to CEG234)	78.11	95.29	92.46	2.88	1999.67	499.92	1366.96	2.62
PTE Increase (CEG1 to CEG234)	*7.18*	*8.76*	*8.50*	*0.26*	*183.76*	*45.94*	*125.62*	*0.24*
PTE Before Modification (HG1 to HG7)	0.58	0.71	0.69	0.02	14.82	3.7	10.13	Negl.
PTE After Modification (HG1 to HG7)	0.64	0.78	0.76	0.02	16.38	4.09	11.20	0.02
PTE Increase (HG1 to HG7)	*0.06*	*0.07*	*0.07*	*Negl*	*1.56*	*0.39*	*1.07*	*0.02*
PTE Before Modification (WTPGen1 and WTPGen2)	0.33	0.40	0.39	0.01	8.47	2.12	5.79	0.01
PTE After Modification (WTPGen1 and WTPGen2)	0.36	0.44	0.43	0.01	9.28	2.32	6.35	0.01

	PTE Increase of the Modified Emission Unit(s)/Process(es) (ton/year)							
Process / Emission Unit	**PM**	**PM_{10}**	**$PM_{2.5}$[1]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Total HAPs**
PTE Increase (WTPGen1 and WTPGen2)	*0.03*	*0.04*	*0.04*	*Negl*	*0.81*	*0.20*	*0.56*	*Negl.*
PTE Before Modification (CABGen1 and CLBGen1)	0.09	0.59	0.59	0.55	1.41	0.35	1.54	Negl.
PTE After Modification (CABGen1 and CLBGen1)	0.10	0.68	0.68	0.63	1.63	0.41	1.78	0.01
PTE Increase (CABGen1 and CLBGen1)	*0.01*	*0.09*	*0.09*	*0.08*	*0.22*	*0.06*	*0.24*	*0.01*
PTE Before Modification (ABCGen1)	0.03	0.18	0.18	0.17	0.44	0.11	0.48	Negl.
PTE After Modification (ABCGen1)	0.03	0.22	0.22	0.20	0.52	0.13	0.57	Negl.
PTE Increase (ABCGen1)	*Negl.*	*0.04*	*0.04*	*0.03*	*0.08*	*0.02*	*0.09*	*Negl.*
Total PTE Increase of the Modified Emission Unit(s)/Process	**7.29**	**9.00**	**8.74**	**0.39**	**186.43**	**46.61**	**127.58**	**0.26**
[1]$PM_{2.5}$ listed is direct $PM_{2.5}$.								

Appendix A of this TSD reflects the detailed potential emissions of the modification.

	PTE Increases Due to the Modification (ton/year)							
	PM	**PM_{10}**	**$PM_{2.5}$[1]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Total HAPs**
Total PTE Before Controls of the New Emission Units	1.34	1.63	1.58	0.05	34.18	8.55	23.37	0.04
Total PTE Increase of the Modified Emission Unit(s)/Process	7.29	9.00	8.74	0.39	186.43	46.61	127.58	0.26
Total PTE of the Modification	**8.62**	**10.63**	**10.32**	**0.44**	**220.61**	**55.16**	**150.94**	**0.31**
[1]$PM_{2.5}$ listed is direct $PM_{2.5}$.								

Appendix A of this TSD reflects the detailed potential emissions of the modification.

(a) Approval to Construct

(1) Pursuant to 326 IAC 2-7-10.5(g)(4), a Significant Source Modification is required because this modification has the potential to emit nitrogen oxides (NOx) and VOC at equal to or greater than twenty-five (25) tons per year.

(2) Pursuant to 326 IAC 2-7-10.5(g)(7), a Significant Source Modification is required because this modification has a potential to emit equal to or greater than one hundred (100) tons per year of carbon monoxide (CO).

(b) Approval to Operate

Pursuant to 326 IAC 2-7-12(d)(1), this change to the permit is being made through a Significant Permit Modification because this modification does not qualify as a Minor Permit Modification or as an Administrative Amendment.

Permit Level Determination – PSD

The table below summarizes the potential to emit of the modification, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of the Part 70 source and permit modification, and only to the extent that the effect of the control equipment is made

practically enforceable in the permit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	Project Emissions (ton/year)						
Process / Emission Unit	**PM**	**PM_{10}**	**$PM_{2.5}$[1]**	**SO_2**	**NO_X**	**VOC**	**CO**
CEG1 to CEG238	79.45	96.92	94.04	2.93	220	55	205
HG1 to HG7	0.64	0.78	0.76	0.02	16.38	4.09	11.20
WTPGen1 and WTPGen2	0.36	0.44	0.43	0.01	9.28	2.32	6.35
CABGen1 and CLBGen1	0.10	0.68	0.68	0.63	1.63	0.41	1.78
ABCGen1	0.03	0.22	0.22	0.20	0.52	0.13	0.57
259 Diesel Storage Tanks	-	-	-	-	-	0.22	-
Total for Modification	**80.58**	**99.04**	**96.13**	**3.81**	**247.82**	**62.17**	**224.90**
PSD Major Source Thresholds	250	250	250	250	250	250	250

[1]$PM_{2.5}$ listed is direct $PM_{2.5}$.

The source opted to take limit(s) in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable to this modification. See Technical Support Document (TSD) State Rule Applicability - Entire Source section, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) for more information regarding the limit(s).

This modification to an existing minor PSD stationary source is not major because the emissions increase of each PSD regulated pollutant is less than the PSD major source threshold. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

PTE of the Entire Source After Issuance of the Part 70 Modification

The table below summarizes the after issuance source-wide potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of the Part 70 source and permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	Source-Wide Emissions After Issuance (ton/year)							
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Total HAPs**
Total PTE of Entire Source Excluding Fugitives*	80.58	99.04	96.13	3.81	247.82	62.17	224.90	2.71
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	--

[1]Under the Part 70 Permit program (40 CFR 70), PM_{10} and $PM_{2.5}$, not particulate matter (PM), are each considered as a "regulated air pollutant."

[2]$PM_{2.5}$ listed is direct $PM_{2.5}$.

*Fugitive HAP emissions are always included in the source-wide emissions.

The source opted to take limit(s) in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable to this source. See Technical Support Document (TSD) State Rule Applicability - Entire Source section, 326 IAC 2-2 (PSD) for more information regarding the limit(s).

(a) This existing minor PSD stationary source will continue to be minor under 326 IAC 2-2 because the emissions of each PSD regulated pollutant will continue to be less than the PSD major source thresholds.

(b) This existing area source of HAP will continue to be an area source of HAP, as defined in 40 CFR 63.2, because HAP emissions will continue to be less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Federal Rule Applicability Determination

Due to the modification at this source, federal rule applicability has been reviewed as follows:

New Source Performance Standards (NSPS):

(a) The requirements of the New Source Performance Standard for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, 40 CFR 60, Subpart Kb and 326 IAC 12, are not included in the permit for this source, because each storage tanks at this source has a capacity less than 75 cubic meters.

(b) This source is subject to the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart IIII and 326 IAC 12, because the emergency generators at this source will each be constructed after July 11, 2005, each are manufactured after April 1, 2006, and they are not fire pumps.

The units subject to this rule includes the following:

(1) Four (4) diesel-fired critical emergency generators, identified as CEG235 through CEG238;

This source is subject to the following portions of Subpart IIII:

(1) 40 CFR 60.4200(a)(2)(i), (a)(4), and (c)
(2) 40 CFR 60.4205(b) and (e)
(3) 40 CFR 60.4206
(4) 40 CFR 60.4207(b)
(5) 40 CFR 60.4208(a)
(6) 40 CFR 60.4209(a) and (b)
(7) 40 CFR 60.4211(a), (c), (f), (g)(2), and (g)(3)
(8) 40 CFR 60.4212(a), (b), (c), and (e)
(9) 40 CFR 60.4214(b), (c), (d), (f), (g), (h), (i), and (j)
(10) 40 CFR 60.4218
(11) 40 CFR 60.4219
(12) Table 5 to 40 CFR 60, Subpart IIII
(13) Table 8 to 40 CFR 60, Subpart IIII

The requirements of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the source except as otherwise specified in 40 CFR 60, Subpart IIII.

This source is already subject to this NESHAP even prior to this modification.

(c) The requirements of the New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ and 326 IAC 12, are not included in the permit for this source, because the generators at this source are not spark ignition.

(d) There are no other New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included in the permit for this proposed modification.

National Emission Standards for Hazardous Air Pollutants (NESHAP):

(a) The diesel-fired emergency generators listed below are subject the requirements of the 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (326 IAC 20-82), because they are considered new (construction commenced on or after June 12, 2006) stationary reciprocating internal combustion engine (RICE) at an area source of hazardous air pollutants (HAP). Construction of the emergency generators will commence in 2024.

The units subject to this rule include the following:

(1) Four (4) diesel-fired critical emergency generators, identified as CEG235 through CEG238;

The above listed units are subject to the following applicable portions of the NESHAP for new stationary RICE at an area source of HAP:

(1) 40 CFR 63.6580
(2) 40 CFR 63.6585(a), (c), and (d)
(3) 40 CFR 63.6590(a)(2)(iii) and (c)(1)
(4) 40 CFR 63.6595(a)(7) and (c)
(5) 40 CFR 63.6605
(6) 40 CFR 63.6640(f)(1), (f)(2)(i), and (f)(4)
(7) 40 CFR 63.6665
(8) 40 CFR 63.6670
(9) 40 CFR 63.6675

Pursuant to 40 CFR 63.6665, the emergency generators do not have to meet the requirements of 40 CRF 63, Subpart A (General Provisions), since they are considered new stationary RICE located at an area source of HAP emissions.

This source is already subject to this NESHAP even prior to this modification.

(b) There are no other National Emission Standards for Hazardous Air Pollutants under 40 CFR 63, 326 IAC 14 and 326 IAC 20 included for this proposed modification.

Compliance Assurance Monitoring (CAM):

(a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each pollutant-specific emission unit that meets the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the regulated pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant (or a surrogate thereof); and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

(b) Pursuant to 40 CFR 64.2(b)(1)(i), emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act are exempt from the requirements of CAM. Therefore, an evaluation was not conducted for any emission

limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act.

The following table is used to identify the applicability of CAM to new and modified emission unit and each emission limitation or standard for a specified pollutant based on the criteria specified under 40 CFR 64.2:

Emission Unit/Pollutant	Control Device	Applicable Emission Limitation	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
CEG235 to CEG238/PM*	SCR/cDPF Control System	326 IAC 6.5-1-2	<100 (each generator)	-	N [2]	-
CEG235 to CEG238/PM10 and PM2.5	SCR/cDPF Control System	-	-	-	N [1]	-
CEG235 to CEG238/NOx	SCR/cDPF Control System	326 IAC 2-2	<100 (each generator)	-	N [2]	-
CEG235 to CEG238/VOC	SCR/cDPF Control System	326 IAC 2-2	<100 (each generator)	-	N [2]	-
CEG235 to CEG238/CO	SCR/cDPF Control System	326 IAC 2-2	<100 (each generator)	-	N [2]	-

Under the Part 70 Permit program (40 CFR 70), PM is not a regulated air pollutant.

Uncontrolled PTE (tpy) and controlled PTE (tpy) are evaluated against the Major Source Threshold for each pollutant. Major Source Threshold for regulated air pollutants (PM10, PM2.5, SO2, NOx, VOC and CO) is 100 tpy, for a single HAP ten (10) tpy, and for total HAPs twenty-five (25) tpy.

PM* For limitations under 326 IAC 6-3-2, 326 IAC 6.5, and 326 IAC 6.8, IDEM OAQ uses PM as a surrogate for the regulated air pollutant PM10. Therefore, uncontrolled PTE and controlled PTE reflect the emissions of the regulated air pollutant PM10.

N [1] CAM does not apply because there is no applicable emission limitation.

N [2] CAM does not apply because each emission unit emits less than the Major Source Threshold for the pollutant (uncontrolled).

Controls: SCR/cDPF Control System = Selective Catalytic Reduction (SCR) and Catalyzed Diesel Particulate Filter (cDPF)

Emission units without air pollution controls are not subject to CAM. Therefore, they are not listed.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM, are not applicable to any of the new units as part of this modification. The previous evaluation of CEG1 through CEG234 is not changing as part of this modification.

State Rule Applicability - Entire Source

Due to this modification, state rule applicability has been reviewed as follows:

326 IAC 2-2 (PSD)
PSD applicability is discussed under the PTE of the Entire Source After Issuance section of this document.

These are existing limitations at the source that are being revised as part of this modification to include the four (4) new emergency generators.

The uncontrolled/unlimited source-wide PTE for NOx, VOC and CO are each greater than 250, tons/yr, in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:

(a) The total NOx emissions from the ~~234~~ **238** diesel-fired critical emergency generators (CEG1 through ~~CEG234~~ **CEG238**) shall not exceed two hundred twenty (220) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) The total VOC emissions from the ~~234~~ **238** diesel-fired critical emergency generators (CEG1 through ~~CEG234~~ **CEG238**) shall not exceed fifty-five (55) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(c) The total CO emissions from the ~~234~~ **238** diesel-fired critical emergency generators (CEG1 through ~~CEG234~~ **CEG238**) not exceed two hundred and five (205) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit NOx, VOC, and CO from all other emission units at this source, shall limit the source-wide total potential to emit of NOx, VOC, and CO to less than 250 tons per twelve (12) consecutive month period, each, and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable to the construction of this source.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The provisions of 326 IAC 2-4.1 apply to any owner or operator who constructs or reconstructs a major source of hazardous air pollutants (HAP), as defined in 40 CFR 63.41, after July 27, 1997, unless the major source has been specifically regulated under or exempted from regulation under a NESHAP that was issued pursuant to Section 112(d), 112(h), or 112(j) of the Clean Air Act (CAA) and incorporated under 40 CFR 63. On and after June 29, 1998, 326 IAC 2-4.1 is intended to implement the requirements of Section 112(g)(2)(B) of the Clean Air Act (CAA).

The operation of this source will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-7-6(5) (Annual Compliance Certification)
The U.S. EPA Federal Register 79 FR 54978 notice does not exempt Title V Permittees from the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D), but the submittal of the Title V annual compliance certification to IDEM satisfies the requirement to submit the Title V annual compliance certifications to EPA. IDEM does not intend to revise any permits since the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D) still apply, but Permittees can note on their Title V annual compliance certifications that submission to IDEM has satisfied reporting to EPA per Federal Register 79 FR 54978. This only applies to Title V Permittees and Title V compliance certifications.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
This source (located in St. Joseph County) is located in one of the counties listed in 326 IAC 6.5, but is not one of the sources specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10. The source-wide PTE of PM is 10 tons per year or more. Therefore, this source is subject to the requirements of 326 IAC 6.5-1-2 because the source-wide actual emissions of PM can be 10 tons per year or more.

State Rule Applicability – Individual Facilities

Due to this modification, state rule applicability has been reviewed as follows:

Diesel-Fired Critical Emergency Generators (CEG1 to CEG238)

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), CEG1 to CEG238 are not subject to the requirements of 326 IAC 6-3, since this source is subject to a particulate matter limitations that is as stringent as or more stringent than the particulate limitation contained in 326 IAC 6-3. This source is subject to 326 IAC 6.5.

326 IAC 7-1.1 Sulfur Dioxide Emission Limitations
CEG1 to CEG238 are not subject to 326 IAC 326 IAC 7-1.1 because they have a total potential to emit (or limited potential to emit) sulfur dioxide (SO2) of less than 25 tons per year or 10 pounds per hour.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Even though, CEG1 to CEG238 will be constructed after January 1, 1980, they are not subject to the requirements of 326 IAC 8-1-6 because their unlimited VOC potential emissions are each less than twenty-five (25) tons per year.

326 IAC 9-1 (Carbon Monoxide Emission Limits)
The requirements of 326 IAC 9-1 do not apply to CEG1 to CEG238, because this source does not operate a catalyst regeneration petroleum cracking system or a petroleum fluid coker, grey iron cupola, blast furnace, basic oxygen steel furnace, or other ferrous metal smelting equipment.

326 IAC 10-3 (Nitrogen Oxide Reduction Program for Specific Source Categories)
The requirements of 326 IAC 10-3 do not apply to CEG1 to CEG238, since these units are not a blast furnace gas-fired boiler, a Portland cement kiln, or a facility specifically listed under 326 IAC 10-3-1(a)(2).

4 Diesel Storage Tanks

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Even though, the diesel storage tanks will be constructed after January 1, 1980, they are not subject to the requirements of 326 IAC 8-1-6 because their total unlimited VOC potential emissions are less than twenty-five (25) tons per year.

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)
The requirements of 326 IAC 8-9 do not apply to the diesel storage tanks, since this source (located in St. Joseph County) is not located in Clark, Floyd, Lake, or Porter County.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to assure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

(a) The Compliance Determination Requirements applicable to this source are as follows:

The below compliance determination requirements are existing and have been revised as part of this modification to include the 4 new emergency generators. Additionally, the emission factors for Cummins engines have been revised to reflect updated information provided by the manufacturer. See Appendix A of this TSD for details on how the uncontrolled NOx Emission Factor was calculated.

(1) In order to comply with the NOx emission limitation under 326 IAC 2-2, the total monthly NOx emissions shall be determined using the following equation for CEG1 to ~~CEG234~~ **CEG238**:

NE = Uncontrolled NOx + Controlled NOx
= $[(DFU_U)(NEF_U) + (DFU_C)(NEF_C)]$ / 2,000 lbs/ton

Where:

NE = Total NOx Emissions, tons per month
= Uncontrolled NOx emissions + Controlled NOx emissions

DFU_U = Total Uncontrolled Diesel Fuel Usage, gallons per month

NEF_U = Uncontrolled Emission Factors for NOx
= ~~0.403~~ **0.477** pounds per gallon for Cummins engines,
= 0.285 pounds per gallon for CAT engines

NOx emissions are considered uncontrolled until the SCR reaches an operating temperature of 572°F.

DFU_C = Total Controlled Diesel Fuel Usage, gallons per month

NEF_C = Controlled Emission Factors for NOx,
= ~~0.033~~ **0.040** pounds per gallon for Cummins engines,
= 0.023 pounds per gallon for CAT engines,

NOx emissions are considered controlled after the SCR of the emissions control system reaches a minimum operating temperature of 572°F.

(2) In order to comply with the VOC emission limitation under 326 IAC 2-2, the total monthly VOC emissions shall be determined using the following equation for CEG1 to ~~CEG234~~ **CEG238**:

$$VE = [(DFU_C)(VEF_C)] / 2{,}000 \text{ lbs/ton}$$

Where:

VE = Controlled CO Emissions, tons per month

DFU_C = Total Diesel Fuel Usage, gallons per month

VEF_C = Controlled Emission Factors for VOC
= ~~0.012~~ **0.017** pounds per gallon for Cummins engines,
= 0.006 pounds per gallon for CAT engines,

(3) In order to comply with the CO emission limitation under 326 IAC 2-2, the total monthly CO emissions shall be determined using the following equation for CEG1 to ~~CEG234~~ **CEG238**:

$$CE = [(DFU_C)(CEF_C)] / 2{,}000 \text{ lbs/ton}$$

Where:

CE = Controlled CO Emissions, tons per month

DFU_C = Total Diesel Fuel Usage, gallons per month

CEF_C = Controlled Emission Factors for CO
= ~~0.018~~ **0.028** pounds per gallon for Cummins engines,
= 0.020 pounds per gallon for CAT engines,

(4) NOx
In order to assure compliance with the requirements of 326 IAC 2-2, and for the Permittee to consider the NOx emissions to be after control, the associated emissions control systems (CE1 to ~~CE234~~ **CE238**) shall be in operation and control NOx emissions from each of the ~~234~~ **238** diesel-fired critical emergency generators (CEG1 to ~~CEG234~~ **CEG238**) at all times any of the ~~234~~ **238** diesel-fired emergency generators (CEG1 to ~~CEG234~~ **CEG238**) are in operation and the catalyst bed exhaust temperature of the SCR reaches a minimum temperature of 572°F.

(5) VOC and CO
In order to assure compliance with the requirements of 326 IAC 2-2, the associated emissions control system (CE1 to ~~CE234~~ **CE238**) shall be in operation and control CO and VOC emissions from each of the ~~234~~ **238** diesel-fired critical emergency generators (CEG1 to ~~CEG234~~ **CEG238**) at all times any of the ~~234~~ **238** diesel-fired emergency generators (CEG1 to ~~CEG234~~ **CEG238**) are in operation.

Testing Requirements:

The below testing requirements are existing and have been revised as part of this modification to include the 4 new emergency generators.

Summary of Testing Requirements					
Emission Unit	**Control Device**	**Timeframe for Testing**	**Pollutant/ Parameter**	**Frequency of Testing**	**Authority**
CEG1 to ~~CEG234~~ **CEG238**	CE1 to ~~CE234~~ **CEG238**	180*	NOx	every 5 years**	326 IAC 2-2
			VOC		
			CO		

*No later than 180 days after initial startup of a representative sample of ten (10) critical emergency generators. The representative sample of ten (10) emission control systems shall contain both CAT engines and Cummins engines in proportion to the number of CAT engines versus Cummins engines that are in operation at the time of the test.

**Repeat testing shall be done for a representative sample of ten (10) critical emergency generators that have not previously been tested, every 5 years until all units have been tested.

(b) The Compliance Monitoring Requirements applicable to this source are as follows:

The below compliance monitoring requirements are existing and have been revised as part of this modification to include the 4 new emergency generators.

Control Device	Type of Parametric Monitoring	Frequency	Range or Specification
SCR/cDPF Control Systems (CE1 to ~~CE234~~ **CE238**)	Catalyst bed exhaust temperature	Continuous	At or above 572°F at all times for NOx to be considered controlled. Stack test will demonstrate the ability for the control systems to reach a catalyst bed exhaust temperature of 572°F*
	Urea Treatment	Continuous	Normal or abnormal
*Note: Compliance monitoring parameter value(s) or specification(s) from the most recent compliant stack test will be specified in the stack test report available via IDEM's Virtual File Cabinet (VFC). To access VFC, please go to: https://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.			

These monitoring conditions are necessary because the Control Systems (CE1-~~CE234~~ **CE238**) for the critical emergency generators (CEG1-~~CEG234~~ **CEG238**) must operate properly to assure compliance with 326 IAC 2-2 (PSD).

Proposed Changes

As part of this permit approval, the permit may contain new or different permit conditions and some conditions from previously issued permits/approvals may have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes.

The following changes listed below are due to the proposed modification. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text (these changes may include Title I changes):

(1) In Section A.1, as well as throughout the permit, the source address was updated as follows:

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary data center.

Source Address: ~~55001 Larrison Blvd.,~~ **31100 Edison Rd.,** New Carlisle, Indiana 46552

…

(2) Sections A.2 and A.3 were updated to reflect the changes in this modification:

A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

This stationary source consists of the following emission units and pollution control devices:

(a) Two hundred and thirty-~~four~~ **eight** (~~234~~ **238**) diesel-fired critical emergency generators, **each nominally rated at 2,750 kW,** identified as CEG1 through ~~CEG234~~ **CEG238**, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating** of ~~2,750 kW and 26.4 MMBtu/hr~~ **4,061 hp (3,028.3 kW)**, each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE1 **through** ~~CE234~~ **CE238**, and exhausting through stacks S1~~S234~~ **through S238**.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and

(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) ~~Nine (9)~~ **Seven (7)** diesel-fired house emergency generators, **each nominally rated at 750 kW,** identified as HG1 through ~~HG9~~ **HG7**, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating of 1,112 hp (829.2 kW)** ~~of 750 kW and 7.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(b) Five (5) diesel-fired ancillary emergency generators:

(1) Two (2) diesel-fired ancillary emergency generators for water treatment system, **each nominally rated at 1,500 kW,** identified as WTPGen1 and WTPGen2, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating of 2,206 hp (1,645 kW)** ~~of 1,500 kW and 14.1 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(2) One (1) diesel-fired ancillary emergency generator for administration building, **nominally rated at 400 kW,** identified as CABGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 619 hp (461.6 kW)** ~~of 400 kW and 4.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(3) One (1) diesel-fired ancillary emergency generator for logistics building, **nominally rated at 400 kW,** identified as CLBGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 619 hp (461.6 kW)** ~~of 400 kW and 4.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(4) One (1) diesel-fired ancillary emergency generator for security building, **nominally rated at 250 kW,** identified as ACBGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 398 hp (296.8 kW)** ~~of 250 kW and 2.6 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(c) Two hundred and fifty-~~seven~~ **nine** (~~257~~ **259**) diesel storage tanks:

(1) Two hundred and thirty-~~four~~ **eight** (~~234~~ **238**) diesel storage tanks, identified as BT1 through ~~BT234~~ **BT238**, approved in 2025 for construction, each with a maximum capacity of 6,500 gallons, uncontrolled, and exhausting outdoors.

(2) ~~Nine (9)~~ **Seven (7)** diesel storage tanks, identified as BTHG1 through ~~BTHG9~~ **BTHG7**, approved in 2025 for construction, each with a maximum capacity of 1,620 gallons, uncontrolled, and exhausting outdoors.

…

(3) Section D.1 was updated to incorporate CEG235-CEG238 into the existing limitations and requirements. The emission factors were also updated accordingly:

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) Two hundred and thirty-~~four~~ **eight** (~~234~~ **238**) diesel-fired critical emergency generators, **each nominally rated at 2,750 kW,** identified as CEG1 through ~~CEG234~~ **CEG238**, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating** of ~~2,750 kW and 26.4 MMBtu/hr~~ **4,061 hp (3,028.3 kW)**, each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE1 **through** ~~-CE234~~ **CE238**, and exhausting through stacks S1~~S234~~ **through S238**.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

Insignificant Activities:

(a) ~~Nine (9)~~ **Seven (7)** diesel-fired house emergency generators, **each nominally rated at 750 kW,** identified as HG1 through ~~HG9~~ **HG7**, approved in 2025 for construction, **manufactured in**

2024, each with a ~~capacity~~ **maximum output horsepower rating of 1,112 hp (829.2 kW)** ~~of 750 kW and 7.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(b) Five (5) diesel-fired ancillary emergency generators:

(1) Two (2) diesel-fired ancillary emergency generators for water treatment system, **each nominally rated at 1,500 kW,** identified as WTPGen1 and WTPGen2, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating of 2,206 hp (1,645 kW)** ~~of 1,500 kW and 14.1 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(2) One (1) diesel-fired ancillary emergency generator for administration building, **nominally rated at 400 kW,** identified as CABGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 619 hp (461.6 kW)** ~~of 400 kW and 4.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(3) One (1) diesel-fired ancillary emergency generator for logistics building, **nominally rated at 400 kW,** identified as CLBGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 619 hp (461.6 kW)** ~~of 400 kW and 4.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(4) One (1) diesel-fired ancillary emergency generator for security building, **nominally rated at 250 kW,** identified as ACBGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 398 hp (296.8 kW)** ~~of 250 kW and 2.6 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 NOx, VOC, and CO PSD Minor Limits [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:

(a) The total NOx emissions from the ~~234~~ **238** diesel-fired critical emergency generators (CEG1 through ~~CEG234~~ **CEG238**) shall not exceed two hundred twenty (220) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) The total VOC emissions from the ~~234~~ **238** diesel-fired critical emergency generators (CEG1 through ~~CEG234~~ **CEG238**) shall not exceed fifty-five (55) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(c) The total CO emissions from the ~~234~~ **238** diesel-fired critical emergency generators (CEG1 through ~~CEG234~~ **CEG238**) shall not exceed two hundred and five (205) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

…

Compliance Determination Requirements [326 IAC 2-7-5(1)]

D.1.4 NOx Emissions

In order to comply with Condition D.1.1(a), the total monthly NOx emissions shall be determined using the following equation for CEG1-~~CEG234~~ **through CEG238**:

…

Where:

…

NEF_U = Uncontrolled Emission Factors for NOx
= ~~0.403~~ **0.477** pounds per gallon for Cummins engines,
= 0.285 pounds per gallon for CAT engines

…

NEF_C = Controlled Emission Factors for NOx,
= ~~0.033~~ **0.040** pounds per gallon for Cummins engines,
= 0.023 pounds per gallon for CAT engines,
…

D.1.5 VOC Emissions

In order to comply with Condition D.1.1(b), the total monthly VOC emissions shall be determined using the following equation for CEG1-~~CEG234~~ **through CEG238**:

…

Where:

…

VEF_C = Controlled Emission Factors for VOC
= ~~0.012~~ **0.017** pounds per gallon for Cummins engines,
= 0.006 pounds per gallon for CAT engines,

D.1.6 CO Emissions

In order to comply with Condition D.1.1(c), the total monthly CO emissions shall be determined using the following equation for CEG1-~~-CEG234~~ **through CEG238**:

…

Where:

…

CEF_C = Controlled Emission Factors for CO
= ~~0.018~~ **0.028** pounds per gallon for Cummins engines,
= 0.020 pounds per gallon for CAT engines,

D.1.7 NOx, VOC, and CO Control

(a) NOx
In order to assure compliance with Conditions D.1.1(a) and D.1.4, and for the Permittee to consider the NOx emissions to be after control, the associated emissions control systems (CE1-~~CE234~~ **through CE238**) shall be in operation and control NOx emissions from each of the ~~234~~ **238** diesel-fired critical emergency generators (CEG1-~~-CEG234~~ **through CEG238**) at all times any of the ~~234~~ **238** diesel-fired emergency generators (CEG1-~~-CEG234~~ **through CEG238**) are in operation and the catalyst bed exhaust temperature of the SCR reaches a minimum temperature of 572°F.

(b) VOC and CO
In order to assure compliance with Conditions D.1.1(b) and (c), D.1.5, and D.1.6, the associated emissions control system (CE1-~~CE234~~ **through CE238**) shall be in operation and control VOC and CO emissions from each of the ~~234~~ **238** diesel-fired critical emergency generators (CEG1-~~-CEG234~~ **through CEG238**) at all times any of the ~~234~~ **238** diesel-fired emergency generators (CEG1-~~-CEG234~~ **through CEG238**) are in operation.

D.1.8 Testing Requirements [326 IAC 2-1.1-11]

In order to determine compliance with Conditions D.1.1(a), D.1.1(b), and D.1.1(c), the Permittee shall perform NOx, VOC, and CO testing on a representative sample of ten (10) emissions control systems (CE1-~~CE234~~ **through CE238**) no later than 180 days after initial startup of ten (10) critical emergency generators (CEG1-~~-CEG234~~ **through CEG238**).

…

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.1.9 Emissions Control System - Temperature Monitoring

(a) A continuous monitoring system shall be calibrated, maintained, and operated on the emissions control systems (CE1-~~-CE234~~ **through CE238**) for measuring the catalyst bed exhaust temperature and correlated to run date, engine load/kilowatt output, and engine operating hours. For purposes of this condition, continuous means no less often than once per fifteen (15) minutes.

From the date of startup until the stack test results are available, the Permittee shall operate the emissions control systems (CE1-~~-CE234~~ **through CE238**) at or above a temperature of 572°F at the catalyst bed exhaust.

(b) On and after the date the most recent compliant stack test results are available, the Permittee shall operate the emissions control systems (CE1-~~-CE234~~ **through CE238**) at or above a temperature of 572°F at the catalyst bed exhaust, except during periods of start-up or shutdown or during routine maintenance or repairs.

…

D.1.10 Emissions Control System - Urea Treatment

(a) The engine exhaust gas shall be treated with urea when the catalyst bed reaches an exhaust temperature of 572°F or more.

A continuous monitoring system shall be calibrated, maintained, and operated on the emissions control systems (CE1-~~-CE234~~ **through CE238**) for detecting the urea injection status and shall be equipped with a mechanism to detect parameters which exceed manufacturer's recommended thresholds and trigger an alarm to operators when the emissions control systems are not operating within the manufacturer's recommended conditions.

…

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.11 Record Keeping Requirement

(a) To document the compliance status with Conditions D.1.1(a), D.1.1(b), D.1.1(c), D.1.4, D.1.5, and D.1.6, the Permittee shall maintain records in accordance with (1) through (5) below. Records shall be taken monthly and shall be complete and sufficient to establish compliance:

(1) The total amount of diesel fuel used for CEG1-~~-CEG234~~ **through CEG238**when the SCR is operating below 572°F. Records should differentiate between fuel usage by Cummins engines and CAT engines.

(2) The total amount of diesel fuel used for CEG1-~~-CEG234~~ **through CEG238**when the SCR is operating above 572°F. Records should differentiate between fuel usage by Cummins engines and CAT engines.

(3) The calculated total NOx emissions from CEG1-~~-CEG234~~ **through CEG238**, as determined in Condition D.1.4.

(4) The calculated total VOC emissions from CEG1-~~-CEG234~~ **through CEG238**, as determined in Condition D.1.5.

(5) The calculated total CO emissions from CEG1-~~-CEG234~~ **through CEG238**, as determined in Condition D.1.6.

(b) To document the compliance status with Condition D.1.9, the Permittee shall maintain continuous temperature records for the emissions control systems (CE1-~~-CE234~~ **through CE238**) and the catalyst bed exhaust temperature achieved to demonstrate compliance during the most recent compliant stack test.
…

(c) To document the compliance status with Condition D.1.10, the Permittee shall maintain continuous records of the urea injection status readings of the emissions control systems (CE1-~~-CE234~~ **through CE238**).

…

(4) Section E.1 was updated to reflect the changes in this modification:

SECTION E.1 NSPS

Emissions Unit Description:
(a) Two hundred and thirty-~~four~~ **eight** (~~234~~ **238**) diesel-fired critical emergency generators, **each nominally rated at 2,750 kW,** identified as CEG1 through ~~CEG234~~ **CEG238**, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output**

horsepower rating of ~~2,750 kW and 26.4 MMBtu/hr~~ **4,061 hp (3,028.3 kW)**, each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE1 **through** ~~-CE234~~ **CE238**, and exhausting through stacks S1~~S234~~ **through S238**.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

Insignificant Activities:

(a) ~~Nine (9)~~ **Seven (7)** diesel-fired house emergency generators, **each nominally rated at 750 kW,** identified as HG1 through ~~HG9~~ **HG7**, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating of 1,112 hp (829.2 kW)** ~~of 750 kW and 7.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(b) Five (5) diesel-fired ancillary emergency generators:

(1) Two (2) diesel-fired ancillary emergency generators for water treatment system, **each nominally rated at 1,500 kW,** identified as WTPGen1 and WTPGen2, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating of 2,206 hp (1,645 kW)** ~~of 1,500 kW and 14.1 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(2) One (1) diesel-fired ancillary emergency generator for administration building, **nominally rated at 400 kW,** identified as CABGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 619 hp (461.6 kW)** ~~of 400 kW and 4.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(3) One (1) diesel-fired ancillary emergency generator for logistics building, **nominally rated at 400 kW,** identified as CLBGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 619 hp (461.6 kW)** ~~of 400 kW and 4.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(4) One (1) diesel-fired ancillary emergency generator for security building, **nominally rated at 250 kW,** identified as ACBGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 398 hp (296.8 kW)** ~~of 250 kW and 2.6 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

(5) Section E.2 was updated to reflect the changes in this modification:

SECTION E.2 NESHAP

Emissions Unit Description:

(a) Two hundred and thirty-~~four~~ **eight** (~~234~~ **238**) diesel-fired critical emergency generators, **each nominally rated at 2,750 kW,** identified as CEG1 through ~~CEG234~~ **CEG238**, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating** of ~~2,750 kW and 26.4 MMBtu/hr~~ **4,061 hp (3,028.3 kW)**, each using an emissions control system to control particulate, NOx, VOC, and CO, identified as CE1 **through** ~~-CE234~~ **CE238**, and exhausting through stacks S1~~S234~~ **through S238**.

Each emissions control system consists of the following:
(i) Selective Catalytic Reduction (SCR), and
(ii) Catalyzed Diesel Particulate Filter (cDPF).

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

Insignificant Activities:

(a) ~~Nine (9)~~ **Seven (7)** diesel-fired house emergency generators, **each nominally rated at 750 kW,** identified as HG1 through ~~HG9~~ **HG7**, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating of 1,112 hp (829.2 kW)** ~~of 750 kW and 7.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(b) Five (5) diesel-fired ancillary emergency generators:

(1) Two (2) diesel-fired ancillary emergency generators for water treatment system, **each nominally rated at 1,500 kW,** identified as WTPGen1 and WTPGen2, approved in 2025 for construction, **manufactured in 2024,** each with a ~~capacity~~ **maximum output horsepower rating of 2,206 hp (1,645 kW)** ~~of 1,500 kW and 14.1 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, these emission units are considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, these emission units are considered as part of a new affected source.

(2) One (1) diesel-fired ancillary emergency generator for administration building, **nominally rated at 400 kW,** identified as CABGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 619 hp (461.6 kW)** ~~of 400 kW and 4.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(3) One (1) diesel-fired ancillary emergency generator for logistics building, **nominally rated at 400 kW,** identified as CLBGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 619 hp (461.6 kW)** ~~of 400 kW and 4.3 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(4) One (1) diesel-fired ancillary emergency generator for security building, **nominally rated at 250 kW,** identified as ACBGen1, approved in 2025 for construction, **manufactured in 2024,** with a ~~capacity~~ **maximum output horsepower rating of 398 hp (296.8 kW)** ~~of 250 kW and 2.6 MMBtu/hr~~, uncontrolled, and exhausting outdoors.

Under NSPS 40 CFR Part 60, Subpart IIII, this emission unit is considered as part of a new affected source.

Under NESHAP 40 CFR Part 63, Subpart ZZZZ, this emission unit is considered as part of a new affected source.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

(6) The Quarterly Reporting forms were updated as follows:

Part 70 Quarterly Report

Source Name: Amazon Data Services, Inc.

Source Address:	~~55001 Larrison Blvd.,~~ **31100 Edison Rd.,** New Carlisle, Indiana 46552
Part 70 Permit No.:	T141-47750-00642
Facility:	~~234~~ **238** Diesel-Fired Critical Emergency Generators (CEG1-~~CEG234~~ **through CEG238**)
Parameter:	Total NOx Emissions
Limit:	Shall not exceed two hundred twenty (220) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

…

Part 70 Quarterly Report

Source Name:	Amazon Data Services, Inc.
Source Address:	~~55001 Larrison Blvd.,~~ **31100 Edison Rd.,** New Carlisle, Indiana 46552
Part 70 Permit No.:	T141-47750-00642
Facility:	~~234~~ **238** Diesel-Fired Critical Emergency Generators (CEG1-~~CEG234~~ **through CEG238**)
Parameter:	Total VOC Emissions
Limit:	Shall not exceed fifty-five (55) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

…

Part 70 Quarterly Report

Source Name:	Amazon Data Services, Inc.
Source Address:	~~55001 Larrison Blvd.,~~ **31100 Edison Rd.,** New Carlisle, Indiana 46552
Part 70 Permit No.:	T141-47750-00642
Facility:	~~234~~ **238** Diesel-Fired Critical Emergency Generators (CEG1-~~CEG234~~ **through CEG238**)
Parameter:	Total CO Emissions
Limit:	Shall not exceed two hundred and five (205) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Additional Changes

IDEM, OAQ made additional changes to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

These permit changes include model updates to standard permit language that are applicable to this source:

The IDEM OAQ mailing address has changed. Permit conditions and forms that contain the IDEM OAQ mailing address have been updated throughout the permit as follows with deleted language as ~~strikeouts~~ and new language **bolded**.

*****
~~100 North Senate Avenue~~
~~MC 61-53 IGCN 1003~~
Indiana Government Center North
100 North Senate Avenue, Room 13W
*****

Proposed Changes Due to Emergency Affirmative Defense Removal

In the Federal Register Notice 88 FR 47029 dated July 21, 2023, U.S. EPA finalized the removal of the "emergency" affirmative defense provisions from Clean Air Act operating permit program regulations effective August 21, 2023. A rulemaking to amend the Indiana rules at 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-8 (Federally Enforceable State Operating Permit Program), and 326 IAC 1-6-1

(Malfunctions) was effective June 21, 2025, making them consistent with federal regulations. IDEM OAQ has determined that changes to the permit are required to be consistent with state and federal law. The permit is revised as shown below with deleted language as ~~strikeouts~~ and new language **bolded**.

(a) The permit is amended to remove Section B - Emergency Provisions and replace the section title with the word "Reserved", to remove the Emergency Occurrence Report form, and to remove any references to the requirements of Section B - Emergency Provisions from permit conditions.

(b) The permit is amended to include a new Section C - Malfunctions Report (and a new associated Malfunctions Report form) that incorporates the record keeping and reporting requirements of 326 IAC 1-6-2 (Records; Notice of Malfunction). All subsequent Section C conditions are renumbered accordingly. Permit Section C - General Reporting Requirements and the Quarterly Deviation And Compliance Monitoring Report form is amended to reference Section C - Malfunctions Report.

(c) Permit citations to definitions within 326 IAC 2-7-1 are amended throughout the permit as necessary, since the definitions under 326 IAC 2-7-1(12) and 326 IAC 2-7-1(20) have been deleted from the rule. Any occurrence of the following 326 IAC 2-7-1 definition citations are amended as shown below, with deleted language as strikeouts and new language **bolded**:

326 IAC 2-7-1(~~21~~)**(19)**
326 IAC 2-7-1(~~22~~)**(20)**
326 IAC 2-7-1(~~33~~)**(31)**
326 IAC 2-7-1(~~35~~)**(33)**
326 IAC 2-7-1(~~37~~)**(35)**
326 IAC 2-7-1(~~42~~)**(39)**

*****

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(~~22~~**20**)]

*****

A.3 Insignificant Activities [326 IAC 2-7-1(~~21~~**19**)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(~~21~~**19**):

*****

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

*****

(a) It is a major source, as defined in 326 IAC 2-7-1(~~22~~**20**);

*****

B.10 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

*****

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**), and

*****

(c) A "responsible official" is defined at 326 IAC 2-7-1(~~35~~**33**).

*****

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

*****

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

*****

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

B.13 **Reserved**

~~Emergency Provisions [326 IAC 2-7-16]~~

~~(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.~~

~~(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:~~

~~(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;~~

~~(2) The permitted facility was at the time being properly operated;~~

~~(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;~~

~~(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ or Northern Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;~~

~~Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or~~
~~Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)~~
~~Facsimile Number: 317-233-6865~~
~~Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877.~~

~~(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:~~

~~Indiana Department of Environmental Management~~
~~Compliance and Enforcement Branch, Office of Air Quality~~
~~Indiana Government Center North~~
~~100 North Senate Avenue, Room 13W~~
~~Indianapolis, Indiana 46204-2251~~

~~within two (2) working days of the time when emission limitations were exceeded due to the emergency.~~

~~The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:~~

~~(A) A description of the emergency;~~

~~(B) Any steps taken to mitigate the emissions; and~~

~~(C) Corrective actions taken.~~

~~The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).~~

~~(6) The Permittee immediately took all reasonable steps to correct the emergency.~~

~~(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.~~

~~(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.~~

~~(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.~~

~~(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.~~

~~(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.~~

*****

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

B.18 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(~~21~~**19**) and 326 IAC 2-7-1(~~42~~**39**). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

B.19 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

*****

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

B.21 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(~~37~~**35**)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

*****

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

B.24 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

*****

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

C.5 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

*****

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

C.6 Performance Testing [326 IAC 3-6]

*****

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

C.8 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

*****

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

C.10 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

The ERP does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

*****

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

*****

C.14 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

(a) A record of all malfunctions, startups or shutdowns of any emission unit or emission control equipment, that results in violations of applicable air pollution control regulations or applicable emission limitations must be kept and retained for a period of three (3) years and be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any emission unit or emission control equipment occurs that lasts more than one (1) hour, the condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification must be made by telephone or other electronic means, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of the occurrence.

(c) Failure to report a malfunction of any emission unit or emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information on the scope and expected duration of the malfunction must be provided, including the items specified in 326 IAC 1-6-2(c)(3)(A) through (E).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

*****

C.1~~5~~**4** Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(~~33~~**31**) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

*****

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

C.1~~6~~**5** General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

*****

C.1~~7~~**6** General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under ~~Section B - Emergency Provisions~~ **Section C - Malfunctions Report** satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

C.1~~8~~**7** Compliance with 40 CFR 82 and 326 IAC 22-1

*****

D.1.12 Reporting Requirements

*****

(a) A quarterly summary of the information to document the compliance status with Conditions D.1.1(a), D.1.1(b), and D.1.1(c) shall be submitted, using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days following the end of each calendar quarter. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~35~~**33**).

~~INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT~~
~~OFFICE OF AIR QUALITY~~
~~COMPLIANCE AND ENFORCEMENT BRANCH~~
~~Indiana Government Center North~~
~~100 North Senate Avenue, Room 13W~~
~~Indianapolis, Indiana 46204-2251~~
~~Phone: (317) 233-0178~~
~~Fax: (317) 233-6865~~

~~PART 70 OPERATING PERMIT~~
~~EMERGENCY OCCURRENCE REPORT~~

~~Source Name: Amazon Data Services, Inc.~~
~~Source Address: 31100 Edison Rd., New Carlisle, Indiana 46552~~

~~Part 70 Permit No.: T141-47750-00642~~

~~This form consists of 2 pages Page 1 of 2~~

~~☐ This is an emergency as defined in 326 IAC 2-7-1(12)~~
- ~~The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and~~
- ~~The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.~~

~~If any of the following are not applicable, mark N/A~~

~~Facility/Equipment/Operation:~~
~~Control Equipment:~~
~~Permit Condition or Operation Limitation in Permit:~~
~~Description of the Emergency:~~
~~Describe the cause of the Emergency:~~

~~If any of the following are not applicable, mark N/A Page 2 of 2~~

~~Date/Time Emergency started:~~
~~Date/Time Emergency was corrected:~~
~~Was the facility being properly operated at the time of the emergency? Y N~~
~~Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_x, CO, Pb, other:~~
~~Estimated amount of pollutant(s) emitted during emergency:~~
~~Describe the steps taken to mitigate the problem:~~

~~Describe the corrective actions/response steps taken:~~
~~Describe the measures taken to minimize emissions:~~
~~If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:~~

~~Form Completed by:~~ _____

~~Title / Position:~~ _____

~~Date:~~ _____

~~Phone:~~ _____

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FAX NUMBER: (317) 233-6865
EMAIL: AirCompl@idem.in.gov

Source Name: **Amazon Data Services, Inc.**
Source Address: **31100 Edison Rd., New Carlisle, IN 46552**
Permit No.: **T141-47750-00642**

For any malfunction lasting one (1) hour or longer, the Permittee must submit this form to the Office of Air Quality (OAQ), within four (4) daytime business hours of malfunction start.

If any of the following are not applicable, mark N/A. This form consists of two (2) pages.

Page 1 of 2

This malfunction resulted in a violation of the following Indiana Administrative Code, permit condition, and/or permit limit and meets the definition of "malfunction" as listed on reverse side (e.g., 326 IAC 5-1, Permit Condition D.1.1, 40 CFR 60.62, etc.):

Describe affected facility/equipment/operation (e.g., Coating Line #2, Boiler D, Diesel engine, No. 3 smelter, etc.):	
Control equipment (e.g., Baghouse B4, Thermal oxidizer for Paint Line #1, etc.):	
Description of the malfunction and cause:	
When the malfunction started:	**Date (MM/DD/YYYY):**
	Time (HH:MM):
When the malfunction was corrected or is expected to be corrected:	**Date (MM/DD/YYYY):**
	Time (HH:MM):

Page 2 of 2

Type of pollutant(s) emitted (e.g., PM, PM10, PM2.5, VOC, etc.):
Estimated amount of pollutant(s) emitted during malfunction (e.g., VOC at 35 lbs/hr, 5 tons of PM, etc.):
Describe the corrective actions and interim control measures taken to minimize emissions (e.g., shut coating line down, isolated failing baghouse compartment, idled furnace operations until repairs completed, etc.):

Form completed by:_____

Title/position: _____

Signature: _____

Date: _____

Phone: _____

Email:_____

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1, 326 IAC 2-6.1, 326 IAC 2-7, or 326 IAC 2-8.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

*****

QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, Indiana 46552
Part 70 Permit No.: T141-47750-00642

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under ~~Section B - Emergency Provisions~~ **Section C - Malfunctions Report** satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

*****

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on March 18, 2025.

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 141-48867-00642. The operation of this proposed

modification shall be subject to the conditions of the attached proposed Significant Permit Modification No. 141-48888-00642.

The staff recommends to the Commissioner that the Part 70 Significant Source Modification and Significant Permit Modification be approved.

IDEM Contact

(a) If you have any questions regarding this permit, please contact Alexandrea Neuzerling, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, Indiana Government Center North, 100 North Senate Avenue, Room 13W, Indianapolis, Indiana 46204-2251, or by telephone at (317) 232-6634 or (800) 451-6027, and ask for Alexandrea Neuzerling or (317) 232-6634.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: https://www.in.gov/idem/airpermit/public-participation/; and the Citizens' Guide to IDEM on the Internet at: https://www.in.gov/idem/resources/citizens-guide-to-idem/.

Appendix A: Emissions Calculations
PTE Summary

Company Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, IN 46552
Permit Number: T141-47750-00642
Significant Source Modification No.: 141-48867-00642
Significant Permit Modification No.: 141-48888-00642
Reviewer: Alexandrea Neuzerling

Uncontrolled/Unlimited PTE (tons/year)								
Emission Unit	**PM**	**PM10**	**PM2.5**	**SO2**	**NOx**	**VOC**	**CO**	**Total HAPs**
CEG1 to CEG238	79.45	96.92	94.04	2.93	2033.85	508.46	1390.33	2.66
HG1 to HG7	0.64	0.78	0.76	0.02	16.38	4.09	11.20	2.14E-02
WTPGEN1 and 2	0.36	0.44	0.43	0.01	9.28	2.32	6.35	0.01
CABGen1 and CLBGen1	0.10	0.68	0.68	0.63	1.63	0.41	1.78	8.39E-03
ABCGen1	0.03	0.22	0.22	0.20	0.52	0.13	0.57	2.70E-03
259 Diesel Storage Tanks*	-	-	-	-	-	0.22	-	-
Total	**80.58**	**99.04**	**96.13**	**3.81**	**2061.66**	**515.64**	**1410.22**	**2.71**
Paved Roads	0.17	0.03	0.01	-	-	-	-	-

Limited PTE (tons/year)								
Emission Unit	**PM**	**PM10**	**PM2.5**	**SO2**	**NOx**	**VOC**	**CO**	**Total HAPs**
CEG1 to CEG238	79.45	96.92	94.04	2.93	220	55	205	2.66
HG1 to HG7	0.64	0.78	0.76	0.02	16.38	4.09	11.20	2.14E-02
WTPGEN1 and 2	0.36	0.44	0.43	0.01	9.28	2.32	6.35	0.01
CABGen1 and CLBGen1	0.10	0.68	0.68	0.63	1.63	0.41	1.78	8.39E-03
ABCGen1	0.03	0.22	0.22	0.20	0.52	0.13	0.57	2.70E-03
259 Diesel Storage Tanks*	-	-	-	-	-	0.22	-	-
Total	**80.58**	**99.04**	**96.13**	**3.81**	**247.82**	**62.17**	**224.90**	**2.71**
Paved Roads	0.17	0.03	0.01	-	-	-	-	-

Shaded Cells Indicate where Limits are Included.

* PTE calculations are included in the application for T141-47750-00642, which can be found in IDEM's Virtual File Cabinet.

Appendix A: Emissions Calculations
Source Modification Summary

Company Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, IN 46552
Permit Number: T141-47750-00642
Significant Source Modification No.: 141-48867-00642
Significant Permit Modification No.: 141-48888-00642
Reviewer: Alexandrea Neuzerling

Uncontrolled/Unlimited PTE Before Modification (tons/year)								
Emission Unit	**PM**	**PM10**	**PM2.5**	**SO2**	**NOx**	**VOC**	**CO**	**Total HAPs**
CEG1 to CEG234	70.93	86.53	83.96	2.62	1815.91	453.98	1241.34	2.38
HG1 to HG9	0.74	0.91	0.88	0.03	19.05	4.76	13.02	2.77E-03
WTPGEN1 and 2	0.33	0.40	0.39	0.01	8.47	2.12	5.79	0.01
CABGen1 and CLBGen1	0.09	0.59	0.59	0.55	1.41	0.35	1.54	3.64E-03
ABCGen1	0.03	0.18	0.18	0.17	0.44	0.11	0.48	2.27E-03
257 Diesel Storage Tanks	-	-	-	-	-	0.22	-	-
Total	**72.12**	**88.62**	**86.01**	**3.38**	**1845.27**	**461.54**	**1262.18**	**2.39**
Paved Roads	0.17	0.03	0.01	-	-	-	-	-

Uncontrolled/Unlimited PTE After Modification (tons/year)								
Emission Unit	**PM**	**PM10**	**PM2.5**	**SO2**	**NOx**	**VOC**	**CO**	**Total HAPs**
CEG1 to CEG234	78.11	95.29	92.46	2.88	1999.67	499.92	1366.96	2.62
CEG234 to CEG238	1.34	1.63	1.58	0.05	34.18	8.55	23.37	0.04
HG1 to HG7	0.64	0.78	0.76	0.02	16.38	4.09	11.20	0.02
WTPGEN1 and 2	0.36	0.44	0.43	0.01	9.28	2.32	6.35	0.01
CABGen1 and CLBGen1	0.10	0.68	0.68	0.63	1.63	0.41	1.78	0.01
ABCGen1	0.03	0.22	0.22	0.20	0.52	0.13	0.57	2.70E-03
259 Diesel Storage Tanks	-	-	-	-	-	0.22	-	-
Total	80.58	99.04	96.13	3.81	2061.66	515.64	1410.22	2.71
Paved Roads	0.17	0.03	0.01	-	-	-	-	-

Increase in PTE due to Modification (tons/year)								
Emission Unit	**PM**	**PM10**	**PM2.5**	**SO2**	**NOx**	**VOC**	**CO**	**Total HAPs**
CEG1 to CEG238	7.18	8.76	8.50	0.26	183.76	45.94	125.62	0.24
CEG234 to CEG238	1.34	1.63	1.58	0.05	34.18	8.55	23.37	0.04
HG1 to HG7	0.06	0.07	0.07	3.61E-03	1.56	0.39	1.07	0.02
WTPGEN1 and 2	0.03	0.04	0.04	3.38E-03	0.81	0.20	0.56	2.15E-03
CABGen1 and CLBGen1	0.01	0.09	0.09	0.08	0.22	0.06	0.24	4.75E-03
ABCGen1	2.72E-03	0.04	0.04	0.03	0.08	0.02	0.09	4.28E-04
259 Diesel Storage Tanks	-	-	-	-	-	-	-	-
Total	**8.62**	**10.63**	**10.32**	**0.44**	**220.61**	**55.16**	**150.94**	**0.31**
Paved Roads	-	-	-	-	-	-	-	-

Appendix A: Emissions Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel (CEG1-CEG234)
Output Rating (>600 HP)

Company Name: **Amazon Data Services, Inc.**
Source Address: **31100 Edison Rd., New Carlisle, IN 46552**
Permit Number: **T141-47750-00642**
Significant Source Modification No.: **141-48867-00642**
Significant Permit Modification No.: **141-48888-00642**
Reviewer: **Alexandrea Neuzerling**

Maximum Output Horsepower Rating (hp)	4061.0	
Maximum Output Power Rating (kw)	3028.3	
Maximum Hours Operated per Year	500	(emergency generator)
Potential Throughput (hp-hr/year)	2,030,500	
Potential Throughput (kw-hr/year)	1,514,144	
Sulfur Content (S) of Fuel (% by weight)	0.0015	(ultra low sulfur diesel with sulfur content of 15 ppm pursuant to 40 CFR 60.4207(b))
# of Engines	234	

	Uncontrolled PTE (ton/yr)						
	PM**	PM10*	direct PM2.5*	SO2* *(.00809S)*	NOx**	VOC**	CO**
Uncontrolled AP-42 Emission Factor (lb/hp-hr)	---	4.01E-04	3.89E-04	1.21E-05	---	---	--
NSPS Subpart III EPA Tier 2 Standards (g/kw-hr)	0.20	---	---	---	5.12	1.28	3.50
PTE (tpy) (per engine)	0.33	0.41	0.40	0.01	8.55	2.14	5.84
PTE for 234 Engines (tpy)	**78.11**	**95.29**	**92.46**	**2.88**	**1999.67**	**499.92**	**1366.96**

* The PM10 and PM2.5 emission factors for are from AP-42 Table 3.4-2. The PM10 emission factor is the sum of filterable PM10 and condensable particulate. The PM2.5 emission factor is the sum of filterable particulate less than 3 um and condensable particulate. Emission factors in lb/hp-hr were calculated using the emission factor in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Tables 3.3-1 and 3.4-1).

** The engines have been certified to comply with the emission standards in 40 CFR 60, Subpart IIII, New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines. Therefore, the NSPS Subpart IIII emission standards for PM, NOx, VOC, and CO are used as the emission factors to determine the potential to emit (PTE).

For engines that have a combined NOx + NMHC emission standard under NSPS Subpart IIII, the VOC emission standard was estimated from the combined NOx + NMHC emission standard assuming 80% NOx and 20% VOC (NMHC) based on the equation provided in 40 CFR 1039.740(c).

Hazardous Air Pollutants (HAPs)

	Pollutant						
	Benzene	Toluene	Xylene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs*
Uncontrolled AP-42 Emission Factor in lb/hp-hr**	5.43E-06	1.97E-06	1.35E-06	5.52E-07	1.76E-07	5.52E-08	1.48E-06
PTE (tons/year, each engine)	**5.51E-03**	**2.00E-03**	**1.37E-03**	**5.61E-04**	**1.79E-04**	**5.60E-05**	**1.51E-03**
Total PTE (tons/year, 234 engines)	**1.29**	**0.47**	**0.32**	**0.13**	**0.04**	**0.01**	**0.35**

The HAP Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-3 and 3.4-4.
*PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
**Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Tables 3.3-1 and 3.4-1).

PTE of Total HAPs (tons/year, each engine)	**0.01**
PTE of Total HAPs (tons/year, 234 engines)	**2.62**

Methodology
Maximum Output Power Rating (kw) = [Maximum Output Horsepower Rating (hp)] * [0.7457 kw/hp]
Potential Throughput (hp-hr/year) = [Maximum Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Throughput (kw-hr/year) = [Maximum Output Power Rating (kw)] * [Maximum Hours Operated per Year]
PTE (tons/year, each engine)
Based on Uncontrolled AP-42 lb/hr Emission Factor: PTE (tons/year, each engine) = [Potential Throughput (hp-hr/year)] * [Uncontrolled Emission Factor (lb/hp-hr)] / [2,000 lb/ton]
Based on g/kw-hr Emission Standard: PTE (tons/year, each engine) = [Potential Throughput (kw-hr/year)] * [Emission Standard (g/kw-hr)] * [lb/453.592 grams] / [2,000 lb/ton]
Based on lbs/hr Emission Rate: PTE (tons/year, each engine) = [Emission Rate (lbs/hr)] * [Maximum Hours Operated per Year] / [2,000 lb/ton]
Total PTE (tons/year, 234 engines) = [PTE (tons/year, each engine)] * [234 engines]

Appendix A: Emissions Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel (CEG235-CEG238)
Output Rating (>600 HP)

Company Name: **Amazon Data Services, Inc.**
Source Address: **31100 Edison Rd., New Carlisle, IN 46552**
Permit Number: **T141-47750-00642**
Significant Source Modification No.: **141-48867-00642**
Significant Permit Modification No.: **141-48888-00642**
Reviewer: **Alexandrea Neuzerling**

Maximum Output Horsepower Rating (hp)	4061.0	
Maximum Output Power Rating (kw)	3028.3	
Maximum Hours Operated per Year	500	(emergency generator)
Potential Throughput (hp-hr/year)	2,030,500	
Potential Throughput (kw-hr/year)	1,514,144	
Sulfur Content (S) of Fuel (% by weight)	0.0015	(ultra low sulfur diesel with sulfur content of 15 ppm pursuant to 40 CFR 60.4207(b))
# of Engines	4	

	Uncontrolled PTE (ton/yr)						
	PM**	PM10*	direct PM2.5*	SO2* *(.00809S)*	NOx**	VOC**	CO**
Uncontrolled AP-42 Emission Factor (lb/hp-hr)	---	4.01E-04	3.89E-04	1.21E-05	---	---	--
NSPS Subpart III EPA Tier 2 Standards (g/kw-hr)	0.20	---	---	---	5.12	1.28	3.50
PTE (tpy) (per engine)	0.33	0.41	0.40	0.01	8.55	2.14	5.84
PTE for 4 Engines (tpy)	**1.34**	**1.63**	**1.58**	**0.05**	**34.18**	**8.55**	**23.37**

* The PM10 and PM2.5 emission factors for are from AP-42 Table 3.4-2. The PM10 emission factor is the sum of filterable PM10 and condensable particulate. The PM2.5 emission factor is the sum of filterable particulate less than 3 um and condensable particulate. Emission factors in lb/hp-hr were calculated using the emission factor in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Tables 3.3-1 and 3.4-1).

** The engines have been certified to comply with the emission standards in 40 CFR 60, Subpart IIII, New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines. Therefore, the NSPS Subpart IIII emission standards for PM, NOx, VOC, and CO are used as the emission factors to determine the potential to emit (PTE).

For engines that have a combined NOx + NMHC emission standard under NSPS Subpart IIII, the VOC emission standard was estimated from the combined NOx + NMHC emission standard assuming 80% NOx and 20% VOC (NMHC) based on the equation provided in 40 CFR 1039.740(c).

	PTE after Issuance (tpy)						
	PM	PM10	PM2.5	SO2	NOx	VOC	CO
Before Modification: Limited PTE for 234 Engines (tpy)	70.93	86.53	83.96	2.62	220.00	55.00	205.00
After Modification: Limited PTE for 238 Engines (tpy)	**79.45**	**96.92**	**94.04**	**2.93**	**220.00**	**55.00**	**205.00**
Shaded values indicate limits.							

Hazardous Air Pollutants (HAPs)

	Pollutant						
	Benzene	Toluene	Xylene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs*
Uncontrolled AP-42 Emission Factor in lb/hp-hr**	5.43E-06	1.97E-06	1.35E-06	5.52E-07	1.76E-07	5.52E-08	1.48E-06
PTE (tons/year, each engine)	**5.51E-03**	**2.00E-03**	**1.37E-03**	**5.61E-04**	**1.79E-04**	**5.60E-05**	**1.51E-03**
Total PTE (tons/year, 4 engines)	**0.02**	**0.01**	**5.49E-03**	**2.24E-03**	**7.16E-04**	**2.24E-04**	**0.01**

The HAP Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-3 and 3.4-4.
*PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
**Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Tables 3.3-1 and 3.4-1).

PTE of Total HAPs (tons/year, each engine)	**0.01**
PTE of Total HAPs (tons/year, 4 engines)	**0.04**

Methodology
Maximum Output Power Rating (kw) = [Maximum Output Horsepower Rating (hp)] * [0.7457 kw/hp]
Potential Throughput (hp-hr/year) = [Maximum Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Throughput (kw-hr/year) = [Maximum Output Power Rating (kw)] * [Maximum Hours Operated per Year]
PTE (tons/year, each engine)
Based on Uncontrolled AP-42 lb/hr Emission Factor: PTE (tons/year, each engine) = [Potential Throughput (hp-hr/year)] * [Uncontrolled Emission Factor (lb/hp-hr)] / [2,000 lb/ton]
Based on g/kw-hr Emission Standard: PTE (tons/year, each engine) = [Potential Throughput (kw-hr/year)] * [Emission Standard (g/kw-hr)] * [lb/453.592 grams] / [2,000 lb/ton]
Based on lbs/hr Emission Rate: PTE (tons/year, each engine) = [Emission Rate (lbs/hr)] * [Maximum Hours Operated per Year] / [2,000 lb/ton]
Total PTE (tons/year, 4 engines) = [PTE (tons/year, each engine)] * [4 engines]

Appendix A: Emissions Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel (HG1-HG7)
Output Rating (>600 HP)
Maximum Input Rate (>4.2 MMBtu/hr)

Company Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, IN 46552
Permit Number: T141-47750-00642
Significant Source Modification No.: 141-48867-00642
Significant Permit Modification No.: 141-48888-00642
Reviewer: Alexandrea Neuzerling

The engine has been certified to comply with the emission standards in 40 CFR 60, Subpart IIII, New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines. Therefore, the NSPS Subpart IIII emission standards for PM, NOx, VOC, and CO are used as the emission factors to determine the potential to emit (PTE).

Emissions calculated based on output rating (hp)

NSPS Subpart IIII Emission Standards based on a: EPA Tier 2 standards

Output Horsepower Rating (hp)	1112.0	
Output Horsepower Rating (kw)	829.2	
Maximum Hours Operated per Year	500	(emergency generator or fire pump)
Potential Throughput (hp-hr/yr)	556,000	
Potential Throughput (kw-hr/yr)	414,609	
Sulfur Content (S) of Fuel (% by weight)	0.0015	(ultra low sulfur diesel with sulfur content of 15 ppm pursuant to 40 CFR 60.4207(b))

	Pollutant						
	PM	PM10*	direct PM2.5*	SO2 *(.00809S)*	NOx[1]	VOC[1]	CO
AP-42 Emission Factor (lb/hp-hr)		4.01E-04	3.89E-04	1.21E-05			
40 CFR 60 (NSPS), Subpart IIII, Emission Standard (g/kw-hr)	0.20				5.12	1.28	3.5
Based on AP-42 lb/hr Emission Factor		0.11	0.11	3.37E-03			
Based on g/kw-hr Emission Factor	0.09				2.34	0.58	1.60
PTE (lb/hr)	0.37	0.45	0.43	0.01	9.36	2.34	6.40
Potential Emission in tons/yr (each)	0.09	0.11	0.11	0.00	2.34	0.58	1.60
Potential Emission in tons/yr (total)	**0.64**	**0.78**	**0.76**	**0.02**	**16.38**	**4.09**	**11.20**

*The PM10 and PM2.5 emission factors for are from AP-42 Table 3.4-2. The PM10 emission factor is the sum of filterable PM10 and condensable particulate. The PM2.5 emission factor is the sum of filterable particulate less than 3 um and condensable particulate. Emission factors in lb/hp-hr were calculated using the emission factor in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Tables 3.3-1 and 3.4-1).

Note 1: For engines that have a combined NOx + NMHC emission standard under NSPS Subpart IIII, the individual NOx and VOC emission standards were estimated from the combined NOx + NMHC emission standard assuming 80% NOx and 20% VOC (NMHC) based on the equation provided in 40 CFR 1039.740(c).

Hazardous Air Pollutants (HAPs)

	Pollutant						
	Benzene	Toluene	Xylene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs**
Emission Factor in lb/hp-hr***	5.43E-06	1.97E-06	1.35E-06	5.52E-07	1.76E-07	5.52E-08	1.48E-06
Potential Emission in tons/yr (each)	1.51E-03	5.47E-04	3.76E-04	1.54E-04	4.90E-05	1.53E-05	4.13E-04
Potential Emission in tons/yr (total)	**1.06E-02**	**3.83E-03**	**2.63E-03**	**1.07E-03**	**3.43E-04**	**1.07E-04**	**2.89E-03**

**PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
***Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Tables 3.3-1 and 3.4-1).

Potential Emission of Total HAPs (tons/yr)	**0.02**

Methodology
Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1 , 3.4-2, 3.4-3, and 3.4-4.
Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]

Appendix A: Emissions Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel (WTPGen1 and WTPGen2)
Output Rating (>600 HP)
Maximum Input Rate (>4.2 MMBtu/hr)

Company Name: **Amazon Data Services, Inc.**
Source Address: **31100 Edison Rd., New Carlisle, IN 46552**
Permit Number: **T141-47750-00642**
Significant Source Modification No.: **141-48867-00642**
Significant Permit Modification No.: **141-48888-00642**
Reviewer: **Alexandrea Neuzerling**

The engine has been certified to comply with the emission standards in 40 CFR 60, Subpart IIII, New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines. Therefore, the NSPS Subpart IIII emission standards for PM, NOx, VOC, and CO are used as the emission factors to determine the potential to emit (PTE).

Emissions calculated based on output rating (hp)

NSPS Subpart IIII Emission Standards based on a: EPA Tier 2 standards

Output Horsepower Rating (hp)	2206.0	
Output Horsepower Rating (kw)	1645.0	
Maximum Hours Operated per Year	500	(emergency generator or fire pump)
Potential Throughput (hp-hr/yr)	1,103,000	
Potential Throughput (kw-hr/yr)	822,507	
Sulfur Content (S) of Fuel (% by weight)	0.0015	(ultra low sulfur diesel with sulfur content of 15 ppm pursuant to 40 CFR 60.4207(b))

	Pollutant						
	PM	PM10*	direct PM2.5*	SO2 *(.00809S)*	NOx[1]	VOC[1]	CO
AP-42 Emission Factor (lb/hp-hr)		4.01E-04	3.89E-04	1.21E-05			
40 CFR 60 (NSPS), Subpart IIII, Emission Standard (g/kw-hr)	0.20				5.12	1.28	3.5
Based on AP-42 lb/hr Emission Factor		0.22	0.21	0.01			
Based on g/kw-hr Emission Factor	0.18				4.64	1.16	3.17
PTE (lb/hr)	0.05	0.06	0.05	0.00	1.16	0.29	0.79
Potential Emission in tons/yr (each)	0.18	0.22	0.21	0.01	4.64	1.16	**3.17**
Potential Emission in tons/yr (Total)	**0.36**	**0.44**	**0.43**	**0.01**	**9.28**	**2.32**	**6.35**

The PM10 and PM2.5 emission factors for are from AP 42 Table 3.4-2

Note 1: For engines that have a combined NOx + NMHC emission standard under NSPS Subpart IIII, the individual NOx and VOC emission standards were estimated from the combined NOx + NMHC emission standard assuming 80% NOx and 20% VOC (NMHC) based on the equation provided in 40 CFR 1039.740(c).

Hazardous Air Pollutants (HAPs)

	Pollutant						
	Benzene	Toluene	Xylene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs**
Emission Factor in lb/hp-hr***	5.43E-06	1.97E-06	1.35E-06	5.52E-07	1.76E-07	5.52E-08	1.48E-06
Potential Emission in tons/yr (each)	3.00E-03	1.08E-03	7.45E-04	3.05E-04	9.73E-05	3.04E-05	8.18E-04
Potential Emission in tons/yr (total)	**5.99E-03**	**2.17E-03**	**1.49E-03**	**6.09E-04**	**1.95E-04**	**6.08E-05**	**1.64E-03**

**PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

Emission factors in lb/hp-hr were calculated using emission factors in

Potential Emission of Total HAPs (tons/yr)	**0.01**

Methodology
Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1 , 3.4-2, 3.4-3, and 3.4-4.
Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]

Appendix A: Emissions Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel (CABGen1 and CLBGen1)
Output Rating (<=600 HP)
Maximum Input Rate (<=4.2 MMBtu/hr)

Company Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, IN 46552
Permit Number: T141-47750-00642
Significant Source Modification No.: 141-48867-00642
Significant Permit Modification No.: 141-48888-00642
Reviewer: Alexandrea Neuzerling

The engine has been certified to comply with the emission standards in 40 CFR 60, Subpart IIII, New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines. Therefore, the NSPS Subpart IIII emission standards for PM, NOx, VOC, and CO are used as the emission factors to determine the potential to emit (PTE).

Emissions calculated based on output rating (hp)

NSPS Subpart IIII Emission Standards based on a: EPA Tier 2 standards

Output Horsepower Rating (hp)	619.0	
Output Horsepower Rating (kw)	461.6	
Maximum Hours Operated per Year	500	(emergency generator or fire pump)
Potential Throughput (hp-hr/yr)	309,500	
Potential Throughput (kw-hr/yr)	230,794	
Sulfur Content (S) of Fuel (% by weight)	0.0015	(ultra low sulfur diesel with sulfur content of 15 ppm pursuant to 40 CFR 60.4207(b))

	Pollutant						
	PM	PM10*	direct PM2.5*	SO2	NOx[1]	VOC[1]	CO
AP-42 Emission Factor (lb/hp-hr)		0.0022	0.0022	0.00205			
40 CFR 60 (NSPS), Subpart IIII, Emission Standard (g/kw-hr)	0.20				3.20	0.80	3.5
Based on AP-42 lb/hr Emission Factor		0.34	0.34	0.32			
Based on g/kw-hr Emission Factor	0.05				0.81	0.20	0.89
Potential Emission in tons/yr (each)	0.05	0.34	0.34	0.32	0.81	0.20	0.89
Potential Emission in tons/yr (Total)	**0.10**	**0.68**	**0.68**	**0.63**	**1.63**	**0.41**	**1.78**

*PM2.5 emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.
Note 1: For engines that have a combined NOx + NMHC emission standard under NSPS Subpart IIII, the individual NOx and VOC emission standards were estimated from the combined NOx + NMHC emission standard assuming 80% NOx and 20% VOC (NMHC) based on the equation provided in 40 CFR 1039.740(c).

Hazardous Air Pollutants (HAPs)

	Pollutant							
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs**
Emission Factor in lb/hp-hr***	6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential Emission in tons/yr (each)	1.01E-03	4.43E-04	3.09E-04	4.24E-05	1.28E-03	8.31E-04	1.00E-04	1.82E-04
Potential Emission in tons/yr (total)	**2.02E-03**	**8.86E-04**	**6.17E-04**	**8.47E-05**	**2.56E-03**	**1.66E-03**	**2.00E-04**	**3.64E-04**

**PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
***Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

Potential Emission of Total HAPs (tons/yr)	**0.01**

Methodology
Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.3-1 and 3.3-2.
Output Horsepower Rating (kw) = Output Horsepower Rating (hp) * (0.7457 kw/hp)
Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Throughput (kw-hr/yr) = [Output Horsepower Rating (kw)] * [Maximum Hours Operated per Year]
Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] * [ton/2,000 lbs]
Potential Emission (tons/yr) = [Potential Throughput (kw-hr/yr)] * [Emission Factor (g/kw-hr)] * [lb / 453.592 g] * [ton/2,000 lbs]

Appendix A: Emissions Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel (ACBGen1)
Output Rating (<=600 HP)
Maximum Input Rate (<=4.2 MMBtu/hr)

Company Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, IN 46552
Permit Number: T141-47750-00642
Significant Source Modification No.: 141-48867-00642
Significant Permit Modification No.: 141-48888-00642
Reviewer: Alexandrea Neuzerling

The engine has been certified to comply with the emission standards in 40 CFR 60, Subpart IIII, New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines. Therefore, the NSPS Subpart IIII emission standards for PM, NOx, VOC, and CO are used as the emission factors to determine the potential to emit (PTE).

Emissions calculated based on output rating (hp)

NSPS Subpart IIII Emission Standards based on a: EPA Tier 2 standards

Output Horsepower Rating (hp)	398.0	
Output Horsepower Rating (kw)	296.8	
Maximum Hours Operated per Year	500	(emergency generator or fire pump)
Potential Throughput (hp-hr/yr)	199,000	
Potential Throughput (kw-hr/yr)	148,394	
Sulfur Content (S) of Fuel (% by weight)	0.0015	(ultra low sulfur diesel with sulfur content of 15 ppm pursuant to 40 CFR 60.4207(b))

	Pollutant						
	PM	PM10*	direct PM2.5*	SO2	NOx[1]	VOC[1]	CO
AP-42 Emission Factor in lb/hp-hr		0.0022	0.0022	0.00205			
40 CFR 60 (NSPS), Subpart IIII, Emission Standard (g/kw-hr)	0.20				3.20	0.80	3.5
Based on AP-42 lb/hr Emission Factor		0.22	0.22	0.20			
Based on g/kw-hr Emission Factor	0.03				0.52	0.13	0.57
Potential Emission in tons/yr (each)	0.03	0.22	0.22	0.20	0.52	0.13	0.57
Potential Emission in tons/yr (Total)	**0.03**	**0.22**	**0.22**	**0.20**	**0.52**	**0.13**	**0.57**

*PM2.5 emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.
Note 1: For engines that have a combined NOx + NMHC emission standard under NSPS Subpart IIII, the individual NOx and VOC emission standards were estimated from the combined NOx + NMHC emission standard assuming 80% NOx and 20% VOC (NMHC) based on the equation provided in 40 CFR 1039.740(c).

Hazardous Air Pollutants (HAPs)

	Pollutant							
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs**
Emission Factor in lb/hp-hr***	6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential Emission in tons/yr	**6.50E-04**	**2.85E-04**	**1.99E-04**	**2.72E-05**	**8.22E-04**	**5.34E-04**	**6.44E-05**	**1.17E-04**

**PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
***Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

Potential Emission of Total HAPs (tons/yr)	**2.70E-03**

Methodology
Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.3-1 and 3.3-2.
Output Horsepower Rating (kw) = Output Horsepower Rating (hp) * (0.7457 kw/hp)
Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Throughput (kw-hr/yr) = [Output Horsepower Rating (kw)] * [Maximum Hours Operated per Year]
Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] * [ton/2,000 lbs]
Potential Emission (tons/yr) = [Potential Throughput (kw-hr/yr)] * [Emission Factor (g/kw-hr)] * [lb / 453.592 g] * [ton/2,000 lbs]

Appendix A: Emissions Calculations
Fugitive Dust Emissions - Paved Roads

Company Name: Amazon Data Services, Inc.
Source Address: 31100 Edison Rd., New Carlisle, IN 46552
Permit Number: T141-47750-00642
Significant Source Modification No.: 141-48867-00642
Significant Permit Modification No.: 141-48888-00642
Reviewer: Alexandrea Neuzerling

Paved Roads at Industrial Site
The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

Vehicle Informtation (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight of Loaded Vehicle (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Fuel delivery trucks (entering plant) (one-way trip)	0.2	1.0	0.2	40.0	7.9	4500	0.852	0.2	61.4
Fuel delivery trucks (leaving plant) (one-way trip)	0.2	1.0	0.2	20.0	3.9	4500	0.852	0.2	61.4
Generator contractor vehicle (entering plant) (one-way trip)	0.3	1.0	0.3	2.0	0.6	4500	0.852	0.3	92.0
Generator contractor vehicle (leaving plant) (one-way trip)	0.3	1.0	0.3	2.0	0.6	4500	0.852	0.3	92.0
		Totals	1.0		13.0			0.8	306.8

Average Vehicle Weight Per Trip = 13.2 tons/trip
Average Miles Per Trip = 0.85 miles/trip

Unmitigated Emission Factor, Ef = [k * (sL)^0.91 * (W)^1.02] (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.011	0.0022	0.00054	lb/VMT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	13.2	13.2	13.2	tons = average vehicle weight
sL =	9.7	9.7	9.7	g/m^2 = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = E * [1 - (p/4N)] (Equation 2 from AP-42 13.2.1)
Mitigated Emission Factor, Eext = Ef * [1 - (p/4N)]
where p = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N = 365 days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	1.209	0.242	0.0593	lb/mile
Mitigated Emission Factor, Eext =	1.105	0.221	0.0543	lb/mile

Process	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Fuel delivery trucks (entering plant) (one-way trip)	0.03	0.01	0.00
Fuel delivery trucks (leaving plant) (one-way trip)	0.03	0.01	0.00
Generator contractor vehicle (entering plant) (one-way trip)	0.05	0.01	0.00
Generator contractor vehicle (leaving plant) (one-way trip)	0.05	0.01	0.00
Totals	**0.17**	**0.03**	**0.01**

Methodology

Total Weight driven per day (ton/day)	= [Maximum Weight of Loaded Vehicle (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip)	= [Maximum one-way distance (feet/trip) / [5280 ft/mile]
Maximum one-way miles (miles/day)	= [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip)	= SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
Average Miles Per Trip (miles/trip)	= SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
Mitigated PTE (tons/yr)	= [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)

Abbreviations
PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particle Matter (<2.5 um)
PTE = Potential to Emit

Appendix A: Emissions Calculations
Uncontrolled NOx EF to be used for Compliance Determination

Company Name: **Amazon Data Services, Inc.**
Source Address: **31100 Edison Rd., New Carlisle, IN 46552**
Permit Number: **T141-47750-00642**
Significant Source Modification No.: **141-48867-00642**
Significant Permit Modification No.: **141-48888-00642**
Reviewer: **Alexandrea Neuzerling**

For CAT Engines:

Brake Specific Fuel Consumption (BSFC)** (Btu/hp-hr)	4043
Diesel High Heat Value (Btu/gal)*	137030

	Pollutant
	NOx
40 CFR 60 (NSPS), Subpart IIII, Emission Standard (g/kw-hr)	5.12
Emission Factor (lb/gal)	0.285

This is the uncontrolled NOx EF used for Compliance Determination in the permit.

Methodology
*Based on AP-42 Table 3.4-1, the diesel High Heat Value was calculated using an average heating value of 19,300 Btu/lb and a density of 7.1 lb/gallon.
**Based on the manufacturer's specifications for CAT 3516E 2,750 kW Diesel Engine
Emission Factor (lb/gal) = 40 CFR 60 (NSPS), Subpart IIII, Emission Standard (g/kw-hr)] * [lb/453.592 g] * [0.7457 kw-hr/hp-hr] * [Diesel High Heat Value (Btu/gal)] / [Brake Specific Fuel Consumption (BSFC) (Btu/hp-hr)]

For Cummins Engines:

Brake Specific Fuel Consumption (BSFC) (Btu/hp-hr)**	4061
Diesel High Heat Value (Btu/gal)*	137030

	Pollutant
	NOx
40 CFR 60 (NSPS), Subpart IIII, Emission Standard (g/kw-hr)	5.12
Emission Factor (lb/gal)	0.284

The source requested a higher uncontrolled NOx emissions factor. See below.

Methodology
*Based on AP-42 Table 3.4-1, the diesel High Heat Value was calculated using an average heating value of 19,300 Btu/lb and a density of 7.1 lb/gallon.
**Based on the manufacturer's specifications for Cummins DQLF 2,750 kW Diesel Engine
Emission Factor (lb/gal) = 40 CFR 60 (NSPS), Subpart IIII, Emission Standard (g/kw-hr)] * [lb/453.592 g] * [0.7457 kw-hr/hp-hr] * [Diesel High Heat Value (Btu/gal)] / [Brake Specific Fuel Consumption (BSFC) (Btu/hp-hr)]

For Cummins Engines Based on Manufacturer's Specifications:

10.07 = 100% Load Uncontrolled Emission Factor (g/bhp-hr)*
4061 = 100% Load Power Output (bhp)*
189 = 100% Load Diesel Fuel Consumption (gal/hr)*

Emission Factor (lb/gal)	0.477

Since this source requested EF is higher, and therefore more stringent, than the EF calculated from the NSPS 40 CFR 60 Subpart IIII Emission Standard, IDEM, OAQ, has agreed to use 0.403 lb/gal instead of 0.287 lb/gal.

Methodology
*Based on the manufacturer's specifications for Cummins DQLF 2,750 kW Diesel Engine
Cummins Uncontrolled NOx Emission Factor (lb/gal) = [(100% Load Uncontrolled Emission Factor (6.90g/bhp-hr) * 100% Load Power Output (4,061 bhp)) / 453.592 g/lb] / 100% Load Diesel Fuel Consumption (189 gal/hr)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • Fax (317) 233-6647 • www.idem.IN.gov

Mike Braun
Governor

Clint Woods
Commissioner

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: David Monaghan
Amazon Data Services Incorporated
13820 Sunrise Valley Dr
Herndon, VA 20171

DATE: August 22, 2025

FROM: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
TV Significant Source Modification (Minor PSD/EO)
141-48867-00642

This notice is to inform you that a final decision has been issued for the air permit application referenced above.

Our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person. In addition, the Notice of Decision has been sent to the OAQ Permits Branch Interested Parties List and, if applicable, the Consultant/Agent and/or Responsible Official/Authorized Individual.

The original signature page is enclosed for your convenience. The final decision and supporting materials are available electronically at:

IDEM's online searchable database: https://www.in.gov/apps/idem/caats/ . Choose Search Option **by Permit Number**, then enter permit 48867

and

IDEM's Virtual File Cabinet (VFC): A copy of the issued permit is also available via IDEM's Virtual File Cabinet (VFC) located at https://www.in.gov/idem/legal/public-records/virtual-file-cabinet/. Click on the Virtual File Cabinet button. Click on the "Search" dropdown menu in the upper left corner and select "OAQ Permit" from the list of options. Select "Public" in the "Security group" dropdown menu. Type the five-digit permit number 48867 in the Permit # search field, select "Final" in the "Permit Type" dropdown menu, then click the search button at the top or bottom of the webpage. The search will return the final issued permit and any applicable mailing list.

If you have requested to receive a hard copy of these documents, the final decision and supporting documents for the air permit application referenced above are enclosed. If applicable, this packet contains the original, signed, permit documents.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, or have difficulty accessing the documents online, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Visit **on.IN.gov/survey** or scan the QR code to provide feedback.
We appreciate your input!

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • Fax (317) 233-6647 • www.idem.IN.gov

Mike Braun
Governor

Clint Woods
Commissioner

August 22, 2025

TO: New Carlisle & Olive Township Public Library

From: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: **Amazon Data Services Incorporated**
Permit Number: **141-48867-00642**

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library 1/13/2025

Visit **on.IN.gov/survey** or scan the QR code to provide feedback.
We appreciate your input!

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • Fax (317) 233-6647 • www.idem.IN.gov

Mike Braun
Governor

Clint Woods
Commissioner

August 22, 2025
Amazon Data Services Incorporated
141-48867-00642

To: Interested Parties

This notice is to inform you that a final decision has been issued for the air permit application referenced above. This notice is for informational purposes only. You are not required to take any action.

You are receiving this notice because you asked to be on IDEM's notification list for this company and/or county; or because your property is nearby the company being permitted; or because you represent a local/regional government entity.

The enclosed Notice of Decision Letter provides additional information about the final permit decision.

The final decision is available on the IDEM website at: https://www.in.gov/apps/idem/caats/. To view the document, choose Search Option by **Permit Number**, then enter permit 48867

The final decision is also available via IDEM's Virtual File Cabinet (VFC) located at https://www.in.gov/idem/legal/public-records/virtual-file-cabinet/. Click on the Virtual File Cabinet button. Click on the "Search" dropdown menu in the upper left corner and select "OAQ Permit" from the list of options. Select "Public" in the "Security group" dropdown menu. Type the five-digit permit number 48867 in the Permit # search field, select "Final" in the "Permit Type" dropdown menu, then click the search button at the top or bottom of the webpage. The search will return the final issued permit and any applicable mailing list.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit.

Please Note: *If you would like to be removed from the Air Permits mailing list, please contact Joanne Smiddie-Brush with the Air Permits Administration Section at 1-800-451-6027, ext. 3-0185 or via e-mail at JBRUSH@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
Final Interested Parties Cover Letter

Mail Code 61-53

IDEM Staff	JLSCOTT 8/22/2025 Page 1 of 2 Amazon Data Services Incorporated 141-48867-00642 Final		
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		David Monaghan Amazon Data Services Incorporated 13820 Sunrise Valley Dr Herndon VA 20171 (Source CAATS) via UPS									
2		Robb Truedinger Authorized Individual Amazon Data Services Incorporated 13820 Sunrise Valley Dr Herndon VA 20171 *(RO CAATS)*									
3		Mishawaka City Council and Mayors Office 100 Lincolnway W Mishawaka IN 46544 *(Local Official)*									
4		Wayne Falda South Bend Tribune PO Box 11148 South Bend IN 46634-0148 *(Affected Party)*									
5		New Carlisle Town Council PO Box 6 New Carlisle IN 46552 *(Local Official)*									
6		St. Joseph County Board of Commissioners 227 W Jefferson Blvd South Bend IN 46601 *(Local Official)*									
7		Mark Espich St. Joseph County Health Department County-City Bldg, 227 W Jefferson Blvd, 8th Floor South Bend IN 46601 *(Health Department)*									
8		New Carlisle & Olive Township Public Library 408 S Bray St New Carlisle IN 46552 *(Library)*									
9		Steve Francis Or Current Resident 54174 Juday Lake Dr South Bend IN 46635 *(Affected Party)*									
10		Mary Countryman Or Current Resident PO Box 361 New Carlisle IN 46552 *(Affected Party)*									
11		La Porte County Herald-Dispatch 422 Franklin St, Ste B Michigan City IN 46360 *(Affected Party)*									
12		Tingting Wang Ramboll US Consulting Inc 333 W Wacker Dr Ste 1050 Chicago IL 60606 *(Consultant)*									
13		I/N Tek 30755 Edison Rd New Carlisle IN 46552 (Affected Party)									
14		Town of New Carlisle/Cliffs Tek New Carlisle Water 31061 Edison Rd New Carlisle IN 46552 *(Affected Party)*									
15		Master Roll Manufacturing 31140 Edison Rd New Carlisle In 46552 *(Affected Party)*									

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.

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Mail Code 61-53

IDEM Staff	JLSCOTT 8/22/2025 Page 2 of 2 Amazon Data Services Incorporated 141-48867-00642 Final		
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Greenwood Motorlines DBA R&L Carriers 30923 Fillmore Rd New Carlisle In 46552 (Affected Party)									
2		John Critzer Or Current Resident 854 Olive Branch Rd Galien MI 49113 *(Affected Party)*									
3		Megan Bielinski Or Current Resident 8009 Creedmoor Rd Ste 101 Raleigh NC 27613 *(Affected Party)*									
4		Riley Thompson Or Current Resident 55341 Wintergreen Rd New Carlisle IN 46552 *(Affected Party)*									
5		Debra Durall Or Current Resident 21677 Auten Rd South Bend IN 46628 *(Affected Party)*									
6		Daniel Caruso Or Current Resident 305 Compton St New Carlisle IN 46552 *(Affected Party)*									
7		Brian Will Or Current Resident 52484 Hickory Rd Granger IN 46530 *(Affected Party)*									
8											
9											
10											
11											
12											
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.

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