



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality – Permit Amendment

In accordance with The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Rules, Chapter 391-3-1, adopted pursuant to or in effect under that Act, Permit No. 7374-121-0972-S-01-0 issued on March 7, 2024 to:

Facility Name: Edged Energy Atlanta Data Center
Facility Address: 1968 Marietta Road NW
Atlanta, Georgia 30318 Fulton County
Mailing Address: 1968 Marietta Road NW
Atlanta, Georgia 303018
Facility AIRS Number: 04-13-121-00972

for the following: Construction and operation of data center, including the construction and operation of 75 diesel engine sets, called PowerBlocks. The facility is comprised of 18 four-engine PowerBlocks and 57 six engine PowerBlocks. This Permit is issued for the purpose of establishing practically enforceable emission limitations such that the facility will not be considered a major source with respect to Title V of the Clean Air Act Amendments of 1990.

is hereby amended as follows: The redesignation of the engines as exclusively emergency generators.

Reason for Amendment: 29729, dated April 23, 2025

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 4 page(s).

This Permit Amendment is hereby made a part of Permit No. 7374-121-0972-S-01-0 and compliance herewith is hereby ordered. Except as amended hereby, the above referenced Permit remains in full force and effect.



Jeffrey W. Cown

Jeffrey W. Cown, Director
Environmental Protection Division

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2. Allowable Emissions

2.2 [deleted]

MODIFIED CONDITIONS

2.4 The Permittee shall not discharge or cause the discharge into the atmosphere from the engines (Source Codes: E1 through E414) emissions of particular matter (PM), nitrogen oxides (NO_x), non-methane hydrocarbons (NMHC), and carbon monoxide (CO) in an amount exceeding the emission standards specified in 40 CFR **60.4205(b)**, as indicated in Table 2.4-1:
[40 CFR 60.4205(b), 40 CFR 60.4202(b)(2), and Appendix I(b) to Part 1039]

Table 2.4-1: **NSPS 40 CFR Part 60. Subpart IIII Emission Standards For all Stationary 2007 and later Model Year Diesel Engines with a Displacement of Less Than 10 Liters Per Cylinder And Maximum Engine Power Of Larger Than 560 kW, with emission limits in terms of g/kW-hr (lb/HP-hr)**

Pollutant	NO _x + NMHC	CO	PM
Emission Limit	6.4 (0.0105)	3.5 (0.00575)	0.20 (3.29x10⁻⁴)

2.5 The Permittee shall not discharge into or cause the discharge into the atmosphere from the engines (Source Codes: E1 through E414), any visible emission the opacity of which is equal to or greater than 20 percent during the acceleration mode, 15 percent during the lugging mode, and 50 percent during the peaks in either the acceleration or lugging mode per 40 CFR 1039.105.
[40 CFR 60.4205(b), 40 CFR 60.4202(b), and 40 CFR 1039.105(b)]

2.8 [deleted]

2.11 [deleted]

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NEW CONDITIONS

2.13 The Permittee shall operate the engines (Source Codes: E1 through E414) according to the requirements specified below. Any operation other than emergency operation, maintenance check and readiness testing, as described below, is prohibited:
[40 CFR 60.4211(f)]

- a. There is no time limit on the use of emergency stationary ICE in emergency situations.
- b. The emergency generators may be operated for maintenance checks and readiness testing for a maximum of 100 hours per calendar year. The Permittee may petition the Division for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.
- c. The emergency generators may be operated for a maximum of 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing specified in Paragraph a. Except as provided in Condition 2.13.b.i, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
 - i. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:
 - (A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;
 - (B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.
 - (C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.
 - (D) The power is provided only to the facility itself or to support the local transmission and distribution system.

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

2.14 The Permittee shall limit the operation of the engines (Source Codes: E1 through E414) to the following criteria:

[391-3-1-.02(2)(mmm)8]

- a. Operate only for routine testing and maintenance, when electric power from the local utility is not available, or during internal system failures;
- b. Total annual operation for the emergency generator is less than 500 hours per year,
- c. Operation for routine testing and maintenance during the months of May through September occurs only between 10 p.m. to 4 a.m. Operation for routine testing and maintenance during the months of January through April and October through December may be done during any time of the day, and
- d. The facility maintains records of all operation, including the reason for the operation.

For each emergency generator that cannot meet the definition of “Emergency standby stationary engine at data centers” found in Georgia Rule 391-3-1-.02(2)(mmm)4(iv), the Permittee shall not discharge, or cause the discharge, into the atmosphere, from each engine, any gases which contain nitrogen oxides (NO_x) in excess of 80 ppm at 15% oxygen, dry basis, during the ozone season. For purposes of this permit, the ozone season is defined as the time period beginning May 1 and ending September 30.

4. Process & Control Equipment

NEW CONDITION

4.2 The Permittee shall clearly label each engine (Source Codes: E1 through E414) and its control devices with its Source Code ID.

[391-3-1-.02(2)(6)1]

6. Performance Testing

6.2 [deleted]

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NEW CONDITIONS

6.3 If the Permittee does not install, configure, operate, and maintain the engine and any associated control device, if applicable, according to the manufacturer's emission-related written instructions, or the Permittee changes emission-related settings in a way that is not permitted by the manufacturer, the Permittee must demonstrate compliance as follows:
[40 CFR 60.4211(g)]

- a. The Permittee must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. The Permittee must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter, to demonstrate compliance with the applicable emission standards.

7. Notification, Reporting and Record Keeping Requirements

7.5 [deleted]

NEW CONDITIONS

**7.8 The Permittee shall use monthly non-emergency service operating time records required by Condition 7.3 to calculate monthly the calendar year total of the non-emergency service operating time for the engines (Source Codes: E1 through E414). All the calculations shall be kept as part of the records required in Condition 7.3. The Permittee shall notify the Division in writing within 15 days if the calendar year total of non-emergency service operating time for any generator equals or exceeds 50 hours. This notification shall include an explanation of how the Permittee intends to comply with Condition 2.13c.
[40 CFR 60.4211(f)(3)]**

**7.9 The Permittee shall submit an annual report with the requirements specified in 40 CFR 60.4214(d) if the engines (Source Codes: E1 through E414) are operated for the purpose specified in 40 CFR 60.4211(f)(3)(i).
[40 CFR 60.4214(d)]**