

PERMIT AMENDMENT NO. 2874-261-0004-S-05-1
ISSUANCE DATE:



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. 2874-261-0004-S-05-0 issued on April 22, 2022 to:

Facility Name: Rainbow Fertilizer, LLC
Facility Address: 1011 Oak Avenue
Americus, Georgia 31709 Sumter County
Mailing Address: 1011 Oak Avenue
Americus, Georgia 31709
Facility AIRS Number: 04-13-261-00004

for the following: Operation of a granular fertilizer plant. 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: Removal of 7,000 hour operational limit; additional updates to various monitoring requirements; inclusion of NSPS Subpart Dc applicability.

Reason for Amendment: Application No. 29060, dated October 4, 2023

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 2 page(s).

This Permit Amendment is hereby made a part of Permit No. 2874-261-0004-S-05-0 and compliance herewith is hereby ordered. Except as amended hereby, the above referenced Permit remains in full force and effect.



Jeffrey W. Cown, Director
Environmental Protection Division

**State of Georgia
Department of Natural Resources
Environmental Protection Division**

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2. Allowable Emissions

2.1 [Deleted]

MODIFIED CONDITION

2.3 The Permittee shall not cause, let, suffer, permit, or allow any emission from the boiler which:

- a. For equipment less than 10 million BTU heat input per hour, contain fly ash and/or other particulate matter in amounts equal to or exceeding 0.5 pounds per million BTU heat input.

[391-3-1-.02(2)(d)2(i)]

- b. For equipment equal to or greater than 10 million BTU heat input per hour, and equal to or less than 250 million BTU per hour, contain fly ash and/or other particulate matter in amounts equal to or exceeding:

[391-3-1-.02(2)(d)2(ii)]

$$P = 0.5(10/R)0.5 \text{ pounds per million BTU heat input}$$

Where:

P = allowable weight of emissions of fly ash and/or other particulate matter in pounds per million BTU heat input

R = heat input of fuel-burning equipment in million BTU per hour

- c. Exhibit visible emissions, the opacity of which is equal to or greater than 20 percent except for one six-minute period per hour of not more than 27 percent opacity.

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

MODIFIED CONDITION

2.4 The Permittee shall not fire any fuel other than natural gas in the boiler.

[40 CFR. 63.11195(e), 391-3-1-.02(2)(g)2, and 391-3-1-.03(2)(c)]

MODIFIED CONDITION

2.5 The Permittee shall not discharge or cause the discharge into the atmosphere, from any equipment excluding the boiler, any gases which exhibit visible emissions, the opacity of which is equal to or greater than 40 percent, unless otherwise specified.

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

NEW CONDITION

2.6 The Permittee shall comply with all applicable provisions of the New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A – “General Provisions” and 40 CFR 60 Subpart Dc – “Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units,” for operation of the boiler.

[40 CFR 60 Subpart Dc]

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5. Monitoring

MODIFIED CONDITION

5.1 The Permittee shall record the following parameters hourly in the process log, which will be available for inspection by Division personnel:

- a. Dryer inlet temperature
- b. Stack appearance, dryer-cooler and ammoniator stacks
- c. [Deleted]
- d. [Deleted]
- e. [Deleted]
- f. [Deleted]
- g. [Deleted]

5.2 [Deleted]

MODIFIED CONDITION

5.3 The Permittee shall maintain a specific gravity of 1.3 or less for the wet scrubber slurry solids concentration, based on weekly laboratory analyses. Records of these analyses shall be kept readily available in a form suitable for inspection by the Division.

7. Notification, Reporting and Record Keeping Requirements

MODIFIED CONDITION

7.3 The Permittee shall notify the Division in writing if the specific gravity of the wet scrubber slurry solids concentration exceeds the limit as required by Condition 5.3. This notification shall be postmarked by the fifteenth day of the following month.

NEW CONDITION

7.4 The Permittee shall maintain monthly records of the amount of natural gas fired in the boiler.
[40 CFR 60.48c(g)(2)]