

PERMIT AMENDMENT NO. 2821-215-0032-S-03-1
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. 2821-215-0032-S-03-0 issued on July 6, 2015 to:

Facility Name: Kemira Chemicals, Inc. – Columbus Plant
Facility Address: 6601 Canal Street
Columbus, Georgia 31907 Muscogee County
Mailing Address: 6601 Canal Street
Columbus, Georgia 31907
Facility AIRS Number: 04-13-215-00032

for the following: The operation of a facility for the production of organic polymers. 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: Installation and operation of a new 31.8 MMBtu/hr boiler (B800); shutdown of existing Boiler B500.

Reason for Amendment: Application No. 28861, dated May 8, 2023

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 3 page(s).

This Permit Amendment is hereby made a part of Permit No. 2821-215-0032-S-03-0 and compliance herewith is hereby ordered. Except as amended hereby, the above referenced Permit remains in full force and effect.



David B. Dove, Interim Director
Environmental Protection Division

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2. Allowable Emissions

MODIFIED CONDITIONS

- 2.1 The consumption of No. 2 Fuel Oil shall not exceed 1,000,000 gallons during any consecutive twelve-month period in Boiler B600, Boiler B800, or any combination thereof. For the purpose of this Permit, a twelve consecutive month period is defined as the total for a month in the reporting period plus the totals for the previous eleven consecutive months.
[Avoidance of 40 CFR 70]
- 2.2 The Permittee shall fire only natural gas as the primary fuel and No. 2 Fuel Oil as the backup fuel in Boilers B600 and B800.
[40 CFR 63.11195(e), Avoidance of 40 CFR 70, 391-3-1-.02(2)(g)2, and 391-3-1-.03(2)(c)]
- 2.3 [deleted]
- 2.4 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 Boilers B600 and B800.
[40 CFR 60.40c]
- 2.5 The Permittee shall not combust distillate fuel oil in either Boiler B600 or Boiler B800 that contains greater than 0.5 weight percent sulfur. Distillate fuel oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396, "Standard Specification for Fuel Oils." The fuel oil sulfur limit applies at all times, including periods of startup, shutdown, and malfunction.
[40 CFR 60.41c, 40 CFR 60.42c(d), and 40 CFR 60.42c(i)]
- 2.6 The Permittee shall not cause, let, suffer, permit, or allow any emissions from Boilers B600 or B800 which:
- a. Contain fly ash and/or other particulate matter in amounts equal to or exceeding the rate derived from $P = 0.5(10/R)^{0.5}$ where R equals heat input rate in million BTU per hour and P equals the allowable emission rate in pounds per million BTU.
[391-3-1-.02(2)(d)2(ii)]
 - b. 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]

NEW CONDITION

- 2.7 The Permittee shall only fire natural gas and fuel oil in Boiler B800. In particular, fuel oil shall only be burned during periods of gas curtailment, gas supply emergencies, or periods of testing on fuel oil. Testing on fuel oil shall not exceed 48 hours per calendar year.
[Avoidance of 40 CFR 63 Subpart JJJJJ – 63.11195]

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6. Performance Testing

NEW CONDITION

6.2 Within 60 days after achieving the maximum production rate at which the sources will be operated, but not later than 180 days after the initial startup, the Permittee shall conduct a visible emissions performance test on Boiler B800 while burning distillate fuel oil at the maximum expected firing rate. The results of the performance test(s) shall be submitted to the Division within 30 days of the completion of testing.

[40 CFR 60.45c(a)(8)]

7. Notification, Reporting and Record Keeping Requirements

MODIFIED CONDITIONS

7.9 For each shipment of fuel, the Permittee shall obtain certification from the supplier that the No. 2 fuel oil meets the fuel sulfur limits specified in Permit Condition 2.5 for Boiler B600 or Boiler B800. The certification shall contain the following for Distillate Fuel Oil:

[40 CFR 60.42c(h), 40 CFR 60.44c(h), and 40 CFR 60.48c(f)]

- a. The name of the oil supplier;
- b. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c;
- c. The sulfur content or maximum sulfur content of the oil.

7.10 The Permittee shall record and maintain records of the amount of each fuel combusted in Boiler B600 and B800 during each calendar month. Alternatively, the Permittee may record and maintain records of the amount of each steam generating unit fuel delivered to the property during each calendar month. The Permittee shall include in its report a signed certified statement that the records of fuel supplier certifications represent all the No. 2 fuel oil combusted during the reporting period. The reporting period for the reports required is each six-month period. All reports shall be submitted to the Division and shall be postmarked by the 30th day following the end of the reporting period.

[40 CFR 60.48(e)(11); 40 CFR 60.48c(g)(2) and (3); 40 CFR 60.48c(j)]

7.11 The Permittee shall notify the Division in writing if No. 2 fuel oil usage for Boiler B600, Boiler B800, or any combination thereof exceeds 83,333 gallons, during any calendar month, as determined by the fuel usage records specified in Permit Condition 7.10. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the applicable No. 2 Fuel Oil usage limits in Permit Condition 2.1.

[Avoidance of 40 CFR 70, 391-3-1-.02(6)(b)1, and 391-3-1-.03(2)(c)]

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NEW CONDITION

7.13 The Permittee shall submit notification of the date of construction or reconstruction and actual startup of Boiler B800 as provided by 40 CFR 60.7 of this part. This notification shall include all items specified in 40 CFR 60.48c(a).

[40 CFR 60.48c(a)]

NEW CONDITION

7.14 The Permittee shall keep a written record of each and all instances during which fuel oil was fired in Boiler B800. The record shall be available for submittal to and review by the Division and contain the date and time, duration of event, and the reason fuel oil was fired.

[Avoidance of 40 CFR 63 Subpart JJJJJ – 63.11195]