

PERMIT AMENDMENT NO. 3089-121-0256-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. 3089-121-0256-S-03-1 issued on October 3, 2022 to:

Facility Name: Porex Filtration Group
Facility Address: 500 Bohannon Road
Fairburn, Georgia 30213 (Fulton County)
Mailing Address: 500 Bohannon Road
Fairburn, Georgia 30213
Facility AIRS Number: 04-13-121-00256

for the following: The operation of a facility for the production of porous plastic products.

is hereby amended as follows: The addition of one (1) 20.9 MMBtu/hr boiler.

Reason for Amendment: Application No. 28589, signed October 13, 2022

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 1 page(s).

This Permit Amendment is hereby made a part of Permit No. 3089-121-0256-S-03-0 and compliance herewith is hereby ordered. Except as amended hereby, the above referenced Permit remains in full force and effect.



Richard E. Dunn, Director
Environmental Protection Division

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2. Allowable Emissions

Modified Conditions:

- 2.2 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 Subpart Dc – “Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units,” for operation of Boilers B1 and B2.
[40 CFR 60 Subpart A and Subpart Dc]
- 2.3 The Permittee shall not fire any fuel other than natural gas and distillate fuel oils in Boilers B1 and B2. Also, the Permittee shall not fire distillate fuel oils in B1 or B2 except during periods of gas curtailment, gas supply emergencies, startups, or periodic testing on liquid fuel (periodic testing of liquid fuel in each boiler shall not exceed a combined total of 48 hours during any calendar year).
[391-3-1-.03(2)(c); 391-3-1-.02(2)(g)2. (subsumed); 40 CFR 60.42c(d); and Avoidance of 40 CFR 63 Subpart JJJJJ – 40 CFR 63.11195]

Distillate fuel oils mean fuel oils that meet the specifications for fuel oil No. 1 or No. 2, as defined by the American Society for Testing and Materials in ASTM D396, “Standard Specification for Fuel Oils.” In particular, distillate fuel oils shall not contain greater than 0.5% sulfur, by weight.

5. Monitoring

Modified Conditions:

- 5.4 The Permittee shall, each calendar year, monitor emissions of nitrogen oxides (NO_x) from Boilers B1 and B2, unless the boilers will not operate during the ozone season (May 1 through September 30 of each year), by performing a tune-up for each boiler to demonstrate compliance with the NO_x concentration limit of Condition 2.7 using the following procedures:
[391-3-1-.02(6)(b)1 and PTM Section 2.119]
- a. The tune-up shall be performed no earlier than March 1 and no later than May 1 of each calendar year. In the case of initial startups that occur after May 1 but before September 30, tune-ups shall be performed no later than 120 hours after startup. The tune-up shall be performed at the normal maximum operating load expected during the period from May 1 to September 30 of each year.
- b. The tune-up shall be performed by using the manufacturer recommended settings for reduced NO_x emissions or by using a NO_x analyzer. Adjustments shall be made, as needed, so that NO_x emissions are reduced in a manner consistent with good combustion practices and safe fuel-burning equipment operation.

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- c. Following the adjustments, or determination that adjustments are not required, the Permittee shall perform a minimum of three emissions test (measurement) runs to demonstrate that the emissions are less than or equal to the NO_x concentration limit of Condition 2.7. Each test run shall be a minimum of 30 minutes in length and shall measure the average NO_x concentration over the test duration. Following any test run which results in an average NO_x concentration that exceeds the NO_x limit of Condition 2.7, the Permittee shall make adjustments to the boiler and conduct a new set of test runs within one day. Subsequent adjustments followed by test runs shall be continued until the results of 3 consecutive test runs do not exceed the NO_x concentration limit of Condition 2.7.
- d. All measurements of NO_x and oxygen concentrations in paragraphs b. and c. of this condition shall be conducted using procedures of the American Society for Testing and Materials (ASTM) Standard Test Method for Determination of NO_x, Carbon Monoxide (CO), and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers, ASTM D 6522-00; procedures of Gas Research Institute Method GRI-96/0008, EPA/EMC Conditional Test Method (CTM-30) Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Emissions from Natural Gas-Fired Engines, Boilers and Process Heaters Using Portable Analyzers; or procedures of EPA Reference Method 7E and 3A.
- e. The Permittee shall maintain records of all tune-ups performed in accordance with this condition. These records shall include the following:
 - i. Date and time that the tune-up was performed
 - ii. The boiler settings for each test run
 - iii. The average NO_x concentration (in ppm at 3% O₂, dry basis) for each test run
 - iv. What operating parameters were adjusted to minimize NO_x emissions
 - v. An explanation of how the final (compliant) settings were determined
- f. Following the tune-up, from the period May 1 through September 30 of each year, the Permittee shall operate each affected boiler using the settings determined during the annual tune-up. If no parameters can be monitored to indicate the performance of a specific boiler, the Permittee shall certify that no adjustments have been made to the boiler by the Permittee and/or any third party since the most recent successful tune-up was completed. This certification shall be made in writing no later than October 15 of each year and shall be maintained with the records required by paragraph e. of this condition.

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- g. If a boiler is capable of operating for 3 consecutive test runs with average NO_x concentrations of less than or equal to 15 ppm corrected to 3 percent oxygen, the Permittee may conduct the next subsequent tune-up in the fourth calendar year following the demonstration of 15 ppm or less. Performance of tests and tune-ups, maintenance of records, and subsequent boiler operation shall otherwise be conducted as described in paragraphs a through f of this condition. The Permittee shall continue to make annual certifications of no adjustments since the previous tune-up.
- h. As an alternative to complying with the requirements in this condition, the Permittee shall submit documentation no later than April 30 of each year confirming that an affected unit will not operate during the months of May through September. As a minimum, the documentation shall include the identification of the facility, the permit number, and the specific affected units that will not be operated.

7. Notification, Reporting, and Record Keeping Requirements

Modified Conditions:

- 7.1 The Permittee shall keep a written record of each and all instances during which distillate fuel oil was fired in each of Boilers B1 and B2. At the end of each calendar month, the Permittee shall use the monthly operating records to determine and record the twelve-month rolling total of operating hours of each of Boilers B1 and B2 using distillate fuel oil. The records shall be available for submittal to and review by the Division, upon request, and contain the date and time, duration of event, and the reason distillate fuel oil was fired.
[391-3-1-.02(6)(b)1.]
- 7.2 Using the records obtained in accordance with Condition 7.1, the Permittee shall notify the Division if any of the following occurs. The notification shall be postmarked by the thirtieth day of the following month and shall include an explanation of how the Permittee intends to attain future compliance with the limits in Condition 2.3.
[391-3-1-.02(6)(b)1.]
 - a. The Permittee burns distillate fuel oil in Boiler B1 or Boiler B2 for any purpose other than periodic testing outside a natural gas curtailment period.
 - b. Any twelve-month consecutive totals of operating hours during periodic testing of B1 or B2 while burning distillate fuel oil, recorded in accordance with Condition 7.1, that is greater than 48 hours.
- 7.3 The Permittee shall record and maintain records of the amount of each fuel combusted in Boilers B1 and B2 using one of the following:
[40 CFR 60.48c(g)(2) and (3)]
 - a. Record and maintain records of the total volume of natural gas and the total volume of distillate fuel oil burned in each of Boilers B1 and B2 during each calendar month.
 - b. Record and maintain records of the total amount of the natural gas and distillate fuel oil delivered to the facility for combustion in Boilers B1 and B2 during each calendar month.

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7.4 The Permittee shall verify that each shipment of distillate fuel oil received for combustion in Boilers B1 and B2 complies with the requirements of Condition 2.3. Verification shall consist of either of the following:

[60.48c(f)(1)]

- a. Fuel oil receipts obtained from the fuel supplier certifying that the oil is distillate oil and contains less than or equal to 0.5% sulfur, by weight, or
- b. Analysis of the fuel oil conducted by methods of sampling and analysis which have been specified or approved by the Division which demonstrate that the distillate fuel oil contains less than or equal to 0.5% sulfur, by weight.