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. 2834-059-0024-S-05-0 issued on August 1, 2016 to:

Facility Name: Janssen Pharmaceutical, Inc.
Facility Address: 1440 Olympic Drive
Athens, Georgia 30601 Clarke County
Mailing Address: 1440 Olympic Drive
Athens, Georgia 30601
Facility AIRS Number: 04-13-059-00024

for the following: Operation of a pharmaceutical production facility. 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 replacement of existing Boilers A and B (rated at 6.28 MMBtu/hr each) with new Boilers E and F (rated at 14.5 MMBtu/hr each) that fire natural gas with fuel oil backup; the construction and operation of a N₂O₄ production line for in-house use, including a wet scrubber (SR001) and several vessels.

Reason for Amendment: Application No. 28296 dated February 15, 2022

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. 2834-059-0024-S-05-0 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
2. **Allowable Emissions**

**MODIFIED CONDITION**

2.4 The Permittee shall not cause, let, suffer, permit, or allow the emission of nitrogen oxides from the 700 hp boiler, Boiler D, Boiler E, or Boiler F to exceed 30 ppm at 3% oxygen, on a dry basis during the period between May 1 and September 30 of each year.

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

**MODIFIED CONDITION**

2.5 The Permittee shall not cause, let, suffer, permit, or allow any emissions from Boiler C, Boiler D, Boiler E, and Boiler F which:

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

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.

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.

**MODIFIED 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 700 hp boiler, Boiler D, Boiler E, and Boiler F.

[40 CFR 60 Subpart Dc]

**MODIFIED CONDITION**

2.7 The Permittee shall not combust distillate fuel oil in Boiler C, Boiler D, Boiler E, and Boiler F 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 60.42c(d), 40 CFR 60.43c(e)(4), 40 CFR 60.44c(g), 40 CFR 60.47c(c), and 40 CFR 60.47c(f)(3)]

**NEW CONDITION**

2.8 The Permittee shall only fire natural gas and fuel oil in Boiler C, Boiler D, Boiler E, and Boiler F. Liquid fuel shall only be burned during periods of gas curtailment, gas supply interruption, startups, or for periodic testing, maintenance, or operator training on liquid fuel. Periodic testing, maintenance, or operator training on liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

[Avoidance of 40 CFR 63 Subpart JJJJJ – 40 CFR 63.11195(e)]
4. Process & Control Equipment

MODIFIED CONDITION
4.1 The Permittee shall operate the process scrubbers (Source Codes: PC1, EC100, B8 MS2, MS3, and SR001) during all times of facility process operation. [391-3-1-.02(6)(b)1. and 391-3-1-.03(2)(c)]

5. Monitoring

MODIFIED CONDITION
5.2 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record scrubbant flows, pH, and scrubbant pressure of the process scrubbers (Source Codes: PC1, EC100, B8 MS2, MS3, and SR001) for the pharmaceutical plants and the ORC plant. Scrubbant pressure monitoring is only required on the jet venturi of Scrubber MS2 and MS3. The units of measurement for each parameter shall be those specified in Condition 5.3. [391-3-1-.02(6)(b)1. and 391-3-1-.03(2)(c)]

MODIFIED CONDITION
5.3 The Permittee shall maintain the scrubbant flow rate, pH and scrubbant pressure as outlined below on the process scrubbers (Source Codes: PC1, EC100, B8, MS2, MS3, and SR001) within the following parameters when controlling emissions. [391-3-1-.02(6)(b)1.]

[a. through e. – No changes]

f. Scrubber SR001

i. Scrubbant pH – greater than or equal to 10

ii. Scrubbant flowrate (packed tower) – greater than or equal to 8 gal/min.

iii. Scrubbant flowrate (educator/venturi) – greater than or equal to 30 gal/min.

MODIFIED CONDITION
5.6 The Permittee shall, each calendar year, monitor emissions of nitrogen oxides (NOx) from the 700 hp boiler, Boiler D, Boiler E, and Boiler F, unless the boiler or hot oil heater 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 NOx concentration limit of Condition No. 2.4 using the following procedures: [391-3-1-.02(6)(b)1 and PTM Section 2.119]

[a. through g. – No changes]
7. Notification, Reporting and Record Keeping Requirements

7.5 The Permittee shall record and maintain records of the amount of each fuel, combusted in Boiler D, Boiler E, and Boiler F during each calendar month, or alternatively, (per 40 CFR 60.48c(g)(3)) record and maintain records of each fuel delivered to the facility during each month. The Permittee shall maintain monthly records of the total fuel oil combusted in all boilers. The records shall be available for inspection or submittal to the Division upon request and contain:
[40 CFR 60.48c(g) and 40 CFR 60.48c(f)]

a. For each shipment of fuel oil, the Permittee shall obtain certification from the supplier that the fuel meets the fuel sulfur limits specified in Permit Condition 2.7 for the boilers. The certification shall contain the following:

i. The name of the oil supplier;

ii. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in ASTM D396 for fuel oil Nos 1 or 2;

iii. The sulfur content or maximum sulfur content of the oil.

b. Quantity of fuel oil combusted during any consecutive 12-month period

NEW

7.10 The Permittee shall keep a written record of each and all instances during which fuel oil was fired in Boiler C, Boiler D, Boiler E, or Boiler F. 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 – 40 CFR 63.11195]

NEW

7.11 The Permittee shall submit notification of the date of construction and actual startup of each Boiler E and Boiler F, as provided by 40 CFR 60.7 of this part. The notification shall include all applicable items specified in 40 CFR 48c(a) and 40 CFR 60.7.
[40 CFR 60.48c(a)]

NEW

7.12 The Permittee shall notify the Division upon operation of the N₂O₄ production line for production purposes within 30 days of such date.
[391-3-1-.02(6)(b)1, and 391-3-1-.03(2)(c)]