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. 2541-115-0081-S-02-0 issued on October 27th, 2004 to:

Facility Name: VTI of Georgia
Facility Address: 1351 Redmond Circle NW
Rome, Georgia 30165 (Floyd County)
Mailing Address: 1351 Redmond Circle NW
Rome, Georgia 30165
Facility AIRS Number: 04-13-115-00081

for the following: Operation of a decorative laminate post-formed countertops manufacturing facility.

is hereby amended as follows: The addition of a new 3.457 MMBtu/hr natural gas-fired oil heater and a new production line with a new 55,000 cfm baghouse.

Reason for Amendment: Application No. 28280, dated February 7th, 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. 2421-115-0081-S-02-0 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**

2.2 The Permittee shall not cause, let, suffer, permit, or allow the emission from any source, particulate matter (PM) in total quantities equal to or exceeding the allowable rate as calculated using the applicable equation below, unless otherwise specified in this Permit. [391-3-1-.02(2)(e)1.]

a. \( E = 4.1P^{0.67} \), for process input weight rate up to and including 30 tons per hour;

b. \( E = 55P^{0.11} - 40 \), for process input weight rate in excess of 30 tons per hour.

Where:

\[ E = \text{allowable emission rate in pounds per hour}; \]
\[ P = \text{process for fuel burning equipment less than 10 MMBtu/hr. input weight rate in tons per hour.} \]

**New Condition**

2.6 The Permittee shall not cause, let, suffer, permit, or allow any emissions from any fuel burning equipment which:

a. Equal or exceed 0.5 pounds per MMBtu heat input for fuel burning equipment less than 10 MMBtu/hr. [391-3-1-.02(2)(d)(i)]

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)(ii)]

4. Process and Control Equipment

**New Conditions**

4.4 The Permittee shall maintain an inventory of baghouse filter bags such that an adequate supply of bags is on hand to replace any defective ones.

4.5 The Permittee shall ensure emissions from Line 9 are controlled by Baghouse DC3B at all times Line 9 is in operation. The Permittee shall maintain the pressure drop across Baghouse DC3B within the manufacturer’s recommended pressure drop range. [Title V Avoidance]
5. Monitoring

New Conditions

5.4 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division’s monitoring requirements.

\[391-3-1-.02(6)(b)1.\]

a. A differential pressure indicator to measure the pressure drop across Baghouse DC3B. The pressure drop shall be monitored and data recorded for each day of operation.

5.5 The Permittee shall perform a daily check of visible emissions from Baghouse DC3B, when operated. The check shall be conducted at least once for each day or portion of each day of operation using procedures a. through c. below except when scheduling, atmospheric conditions or sun positioning prevent any opportunity to perform the daily VE check. Any operational day when scheduling, atmospheric conditions or sun position prevent a daily reading shall be reported as monitor downtime in a report.

\[391-3-1-.02(6)(b)1\]

a. Determine, in accordance with the procedures specified in paragraph c. of this condition, if visible emissions are present at the discharge point to the atmosphere from each of the sources and record the results in the daily (VE) log. For sources that exhibit visible emissions, the Permittee shall comply with paragraph b. of this condition.

b. For each baghouse that exhibits visible emissions, the Permittee shall determine the cause of the visible emissions and correct the problem within 24 hours. The Permittee shall note the cause of the visible emissions, the pressure drop, any other pertinent operating parameters, and the corrective action taken in the maintenance log.

c. The person performing the determination shall stand at a distance of at least 15 feet which is sufficient to provide a clear view of the plume against a contrasting background with the sun in the 140° sector at his/her back. Consistent with this requirement, the determination shall be made from a position such that the line of vision is approximately perpendicular to the plume direction. Only one plume shall be in the line of sight at any time when multiple stacks are in proximity to each other.
5.6 Within 60 days of the issuance of this permit, the Permittee shall develop and implement a Preventive Maintenance Program for Baghouse DC3B. The program shall be subject to review and, if necessary to assure compliance, modification by the Division and shall include, at a minimum, the following operation and maintenance checks that shall be made at least weekly. A record of the findings and corrective actions taken shall be kept in a maintenance log:

\[391-3-1-.02(6)(b)1.\]

a. For baghouses equipped with compressed air cleaning systems, check the system for proper operation. This may include checking for low pressure, leaks, proper lubrication, and proper operation of timer and valves.

b. For baghouses equipped with reverse air cleaning systems, check the system for proper operation. This may include checking damper, bypass, and isolation valves for proper operation.

c. For baghouses equipped with shaker cleaning systems, check the system for proper operation. This may include checking shaker mechanism for loose or worn bearings, drive components, mounting; proper operation of outlet/isolation valves; proper lubrication.

d. Check dust collector hoppers and conveying systems for proper operation.

8. Specific Notification and Reporting Requirements

MODIFIED CONDITIONS

8.2 The Permittee shall submit a semiannual report by August 29 and February 28 of the calendar year of record, unless otherwise approved by the Division. The report shall be prepared from records retained in accordance with Conditions 5.3 and 7.4 through 7.13, submitted in a manner suitable to the Division and containing the following:

a. The 12-month rolling total quantities of VOC, HAP, Formaldehyde, and other HAP recorded per Condition 7.10 for each calendar month in the semiannual reporting period.

b. The 12-month rolling total amount of the wood processed, using the monthly data recorded per Condition 7.9, for each calendar month, in the semiannual reporting period.

c. The 12-month total amount and percentages of total HAP emitted from each process, as recorded per Condition 7.10, for each calendar month in the semiannual reporting period to show compliance with Condition 2.5.