

PERMIT NO. 3996-047-0029-S-03-0

ISSUANCE DATE:



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality Permit

In accordance with the provisions of 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 and in effect under that Act,

Facility Name: Shaw Industries, Inc. – Plant RP
Facility Address: 1015 Industrial Boulevard
Ringgold, Georgia 30736 Catoosa County
Mailing Address: 2305 Abutment Road, WD-53
Dalton, GA 30720
Facility AIRS Number: 04-13-047-00029

is issued a Permit for the following:

The operation of a luxury vinyl tile manufacturing facility and the addition of 2 SPC extrusion lines and associated emission units.

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.

This Permit is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit.

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. 28574 dated September 26, 2022; any other applications upon which this Permit is based; supporting data entered therein or attached thereto; or any subsequent submittals or supporting data; or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 6 pages.



Richard E. Dunn, Director
Environmental Protection Division

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1. General Requirements

- 1.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate this source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection or surveillance of the source.
- 1.2 The Permittee shall not build, erect, install or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based on the concentration of a pollutant in the gases discharged into the atmosphere.
- 1.3 The Permittee shall submit a Georgia Air Quality Permit application to the Division prior to the commencement of any modification, as defined in 391-3-1-.01(pp), which may result in air pollution and which is not exempt under 391-3-1-.03(6). Such application shall be submitted sufficiently in advance of any critical date involved to allow adequate time for review, discussion, or revision of plans, if necessary. The application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity and pollutant emission rates of the plant before and after the change, and the anticipated completion date of the change.
- 1.4 Unless otherwise specified, all records required to be maintained by this Permit shall be recorded in a permanent form suitable for inspection and submission to the Division and shall be retained for at least five (5) years following the date of entry.
- 1.5 In cases where conditions of this Permit conflict with each other for any particular source or operation, the most stringent condition shall prevail.

2. Allowable Emissions

Georgia State Requirements

- 2.1 The Permittee shall not fire any fuel other than natural gas and propane in the hot oil heaters (ID No. BH01, BH02, and BH03).
[391-3-1-.03(2)(c); 391-3-1-.02(2)(g)2. (subsumed); and 40 CFR 63 Subpart JJJJJ Avoidance]
- 2.2 The Permittee shall not cause, let, suffer, permit, or allow any emissions from any process equipment, which exhibit visible emissions, the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)1.]

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- 2.3 The Permittee shall not cause, let, suffer, permit, or allow any emissions from the hot oil heaters (ID Nos. BH01, BH02, and BH03) 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.]
- 2.4 The Permittee shall not cause, let, suffer, permit, or allow the emission from any process, which contain 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.(i)]
- a. $E = 4.1 * P^{0.67}$; for process input weight rate up to and including 30 tons per hour.
 - b. $E = 55 * P^{0.11} - 40$; for process input weight rate above 30 tons per hour.

Where: E = allowable emission rate in pounds per hour;
P = process input weight rate in tons per hour.

40 CFR 60 Subpart Dc

- 2.5 The Permittee shall comply with all applicable provisions of the New Source Performance Standards (NSPS) 40 CFR 60 Subpart A – "General Provisions" and Subpart Dc – "Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units," for the operation of the hot oil heaters (ID Nos. BH01, BH02, BH03).
[40 CFR 60 Subpart A and Subpart Dc]

3. Fugitive Emissions

- 3.1 The Permittee shall take all reasonable precautions to prevent fugitive dust from becoming airborne from any operation, process, handling, and transportation or storage facility. The opacity from any fugitive dust source shall not equal or exceed twenty percent. Reasonable precautions that should be taken to prevent dust from becoming airborne include, but are not limited to, the following:
[391-3-1-.02(2)(n)1.]

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- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
 - b. Application of asphalt, water, or suitable chemicals on dirt roads, materials, stockpiles, and other surfaces that can give rise to airborne dusts;
 - c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods can be employed during sandblasting or other similar operations;
 - d. Covering, at all times when in motion, open-bodied trucks, transporting materials likely to give rise to airborne dust; and
 - e. The prompt removal of earth or other material from paved streets onto which earth or other material has been deposited.
- 3.2 The percent opacity from any fugitive dust source shall not equal or exceed 20 percent.
[391-3-1-.02(2)(n)2.]

4. Process & Control Equipment

- 4.1 Routine maintenance shall be performed on all air pollution control equipment. The Permittee shall record and maintain records of routine maintenance in a form suitable for inspection or submittal to the Division.
- 4.2 The Permittee shall operate all bin vent filters and baghouses whenever the associated emission unit(s) are in operation.
[391-3-1-.03(2)(c), Title V avoidance]
- 4.3 The Permittee shall maintain an inventory of filter bags such that an adequate supply of bags is on hand to replace any defective bags in each bin vent filter.
[391-3-1-.03(2)(c)]
- 4.4 The Permittee shall develop and implement a written Air Pollution Control Device Operation and Maintenance Plan. The Plan shall include manufacturer recommendations for the operation and maintenance of air pollution control equipment and include the monitoring and inspections in Condition 5.2. The Permittee shall maintain a current copy of the Plan on site and the Plan must be available for inspection by or submission to the Division.
[391-3-1-.03(2)(c)]

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5. Monitoring

5.1 Any monitoring system or device installed by the Permittee shall be in continuous operation except during calibration checks, zero and span adjustments or periods of repair. Maintenance or repair shall be conducted in the most expedient manner to minimize the period during which the system is out of service.

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

5.2 Once each day, or portion of each day of operation, the Permittee shall inspect all equipment controlled by the baghouses (Air Pollution Control Device ID Nos. CTR1, LTR1, PFL2, PFL3, GR1BH, GR2BH, GR3BH, GRAN1, PLV1, PLV2, PLV3, and TRN1). The inspection shall be conducted by performing a walkthrough of the facility and noting the occurrence of the following in a daily visible emissions (VE) log:

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

- a. Any visible emissions.
- b. Any mechanical failure or malfunction that results in increased air emissions.
- c. Any occasion where equipment controlled by bin vent filters is operating but the associated bin vent filter is not operating.

For each emission point noted with visible emissions, mechanical problems, or malfunctions, the Permittee shall take corrective action in the most expedient manner possible and reinspect the unit within 24 hours to verify that no visible emissions exist. Failure to eliminate the visible emissions or correct the mechanical failure or malfunction specified in a. or b. within 24 hours shall constitute an excursion and shall be noted in the log. Any occasion where bin vent filters are not operating while the associated equipment is operating shall constitute an excursion and shall be noted in the log.

6. Performance Testing

6.1 The Permittee shall cause to be conducted a performance test at any specified emission point when so directed by the Division. The following provisions shall apply with regard to such tests:

- a. All tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants.
- b. All test results shall be submitted to the Division within sixty (60) days of the completion of testing.

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- c. The Permittee shall provide the Division thirty (30) days prior written notice of the date of any performance test(s) to afford the Division the opportunity to witness and/or audit the test, and shall provide with the notification a test plan in accordance with Division guidelines.
- d. All monitoring systems and/or monitoring devices required by the Division shall be installed, calibrated and operational prior to conducting any performance test(s). For any performance test, the Permittee shall, using the monitoring systems and/or monitoring devices, acquire data during each performance test run. All monitoring system and/or monitoring device data acquired during the performance testing shall be submitted with the performance test results.

7. Notification, Reporting and Record Keeping Requirements

- 7.1 The Permittee shall determine and record the total volume of natural gas burned in the hot oil heaters (ID Nos. BH01, BH02, and BH03) during each calendar month. All calculations used to figure usages shall be kept as part of the monthly record. These monthly fuel usage records shall be kept available for inspection or submittal for five years after the date of record.
[40 CFR 60.48c(g)(2)]
- 7.2 The Permittee shall maintain records of the inspections required by Condition 5.2. The record shall include the date of the inspection, identification of the person conducting the inspection, and a description of any deviations found, including corrective actions taken.
[391-3-1-.02(6)(b)1.]

8. Special Conditions

- 8.1 At any time that the Division determines that additional control of emissions from the facility may reasonably be needed to provide for the continued protection of public health, safety and welfare, the Division reserves the right to amend the provisions of this Permit pursuant to the Division's authority as established in the Georgia Air Quality Act and the rules adopted pursuant to that Act.
- 8.2 The Permittee shall calculate and pay an annual Permit fee to the Division. The amount of the fee shall be determined each year in accordance with the "Procedures for Calculating Air Permit Application & Annual Permit Fees."

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- 8.3 All previous Georgia Air Quality Permits that were issued to Shaw Industries, Inc. – Plant RP, including the following permit and amendment, are hereby revoked in their entirety.

Table 2: Previous Permit/Amendment That Are Revoked by This Permit	
Permit No.	Date of Issuance/ Effectiveness
3996-047-0029-S-02-0	February 21, 2017
3996-047-0029-S-02-1	November 5, 2020