

GENERIC AIR QUALITY PERMIT

Permit No.
3273-GEN-0011-S-01-0

Effective Date

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, the holder of this permit is issued a SIP construction and operating permit for the following:

The construction and operation of a ready mix concrete batch plant and associated air pollution control equipment. This Permit establishes 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. The facility may operate only at the location specified in the permit application.

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 the permit application forms, supporting data entered therein or attached thereto; or for any alterations affecting the emissions from this source, which are not allowed by the permit.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 4 pages.

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 to the extent practicable 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.
[391-3-1-.03(2)(c)]
- 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 on 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 pollutant in the gases discharged to the atmosphere.
[391-3-1-.03(2)(c)]
- 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.
[391-3-1-.03(1)(a) and (b)]
- 1.4 Unless otherwise specified, all records, which are 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.
[391-3-1-.02(6)(b)1(i)]

2. Allowable Emissions

- 2.1 The Permittee shall limit production to 800,000 cubic yards of concrete during any twelve consecutive month period.
[391-3-1-.03(2)(c)]
- 2.2 The Permittee shall not cause, let, suffer, permit or allow the emissions into the atmosphere from any stack, unless otherwise limited, any gases 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 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, let, permit, suffer, or allow the rate of emission from any source, particulate matter in total quantities equal to or exceeding the allowable rates per Georgia Rules for Air Quality Control 391-3-1-.02(2)(e) "Particulate Emission from Manufacturing Processes."
[391-3-1-.02(2)(e)]

3. Fugitive Emissions

- 3.1 The Permittee shall comply with Georgia Air Quality Control Rule 391-3-1-.02(2)(n), "Fugitive Dust", for the entire processing facility including all roadways and processing equipment not otherwise subject to any other rule or regulation governing fugitive visible emissions. Subject to this rule:
- a. The Permittee shall not cause, let, permit, suffer or allow visible emissions from any fugitive source to equal or exceed 20% opacity.
 - b. The Permittee shall take all reasonable precautions with any operation, process, handling, transportation, or storage facilities to prevent fugitive emissions of air contaminants. Roads inside the plant site shall be sprinkled with water when necessary to prevent dust from becoming airborne.

4. Process and Control Equipment

- 4.1 Routine maintenance shall be performed on all air pollution control equipment. Maintenance records shall be in a form suitable for inspection or submittal to the Division.
[391-3-1-.03(2)(c)]
- 4.2 The Permittee shall conduct periodic inspections of the internal workings of each baghouse and/or bin vent to ensure proper operation. This shall include determining if there are blinded bags or bags with holes in them, and shall also include inspecting the baghouse hopper and dust conveying system if practical. The inspection frequency shall be no less than once per year. Records of inspections shall be maintained.
[391-3-1-.03(2)(c)]
- 4.3 The Permittee shall maintain an inventory of filter bags such that, an adequate supply of bags are on hand to replace any defective bags in each baghouse.
[391-3-1-.03(2)(c)]

5. Monitoring

- 5.1 Once each day, or portion of each day of operation, the Permittee shall perform a check of visible emissions from each baghouse, while the equipment being controlled is operating, and inspect emission units for mechanical problems or malfunction. For each baghouse bin vent that is controlling a cement silo or ash silo, an observation shall be performed whenever each silo is being loaded.

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For any observation of visible emissions, mechanical problems, or malfunctions, the Permittee shall take corrective action within a day and re-inspect the equipment to verify that no visible emissions exist and that any mechanical problems or malfunctions have been corrected. The observations and corrective actions shall be recorded in a log suitable for inspection or submittal to the Division.

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

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:

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

- 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.
- 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 create and retain operational records, which shall be available for inspection and/or submittal to the Division and which contain a log of the total monthly production of concrete (in cubic yards). The total concrete production for the previous 11 consecutive months must be included in each month's log.

[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

- 7.2 The Permittee shall notify the Division in writing, within 15 days, if total concrete production in any 12-consecutive month period exceeds 800,000 cubic yards.

[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

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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 the 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 the Act.
[391-3-1-.03(2)(c)]
- 8.2 The Permittee shall keep, at the permitted facility, the originals or complete copies of this Air Quality Permit, the Permit Transmittal letter, and the Generic Permit Supplement.
[391-3-1-.03(2)(c)]