

GENERIC AIR QUALITY PERMIT

Permit No.
2951-GEN-0008-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 facility for the manufacture of hot mix asphalt, including a batch mix or drum mix asphalt plant with a baghouse to control particulate matter. The facility shall be subject to 40 CFR Part 60, Subpart I. 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 **7** 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 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-.02(2)(a)10]
- 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.
[40 CFR 60.12 and 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)]
- 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.
[391-3-1-.02(6)(b)1(i)]

2. Allowable Emissions

- 2.1 The Permittee shall comply with all the applicable provisions of the New Source Performance Standards (NSPS), 40 CFR Part 60 Subpart A - "General Provisions" and Subpart I - "Standards of Performance for Hot Mix Asphalt Facilities". Specifically, the Permittee shall not discharge or cause the discharge into the atmosphere from this source any emissions which:
 - a. Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).
 - b. Exhibit 20% opacity, or greater.

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- 2.2 The Permittee shall not emit or cause the emissions from the drum dryer, sulfur dioxide (SO₂) in amounts exceeding 95 tons per 12 consecutive calendar months, by complying with the following:
[Avoidance of 40 CFR Part 70]
- a. The sulfur content of the fuel oil shall not exceed 1.5 weight percent.
 - b. The amount of fuel oil combusted shall not exceed 800,000 gallons during any 12 consecutive months.
- 2.3 The Permittee shall not cause, let, suffer, permit or allow the emissions into the atmosphere from any stack, unless otherwise limited, including the hot oil heater stack, any gases the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)1]
- 2.4 The Permittee shall limit the production of asphalt during any 12 consecutive months, to the applicable limit below:
[Avoidance of 40 CFR Part 70 and avoidance of NSR]
- a. 600,000 tons, for drum mix plant that is located anywhere in the state.
 - b. 475,000 tons, for batch mix plant that is located outside the 13 county Atlanta area.
 - c. 375,000 tons, for batch mix plant that is located inside the 13 county Atlanta area.

For purposes of this permit condition, the 13 county Atlanta area consists of the counties of Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Paulding, and Rockdale.

- 2.5 In accordance with the provisions of 40 CFR Part 279 – Standards for the Management of Used Oil, Subpart B – Applicability, Section 279.11 – Used oil specifications, the fuels produced from used oil by processing, blending, or other treatment may be used, provided the constituents and properties in the specification shown below are not exceeded:

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Constituent / Property	Allowable Level
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
Flash Point	100 degrees F minimum
PCBs	50 ppm maximum

Used oil which does not meet these specifications, is considered "off-specification" used oil and may not be burned. Off-specification used oil may not be diluted or blended in order to meet these specifications.

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:

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

- 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 & 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 and shall be maintained for a period of five (5) years from date of entry.

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

4.2 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 the dryer baghouse and/or lime silo baghouse.

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

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- 4.3 The Permittee shall implement a Preventive Maintenance Program for the baghouses. At a minimum, the following operation and maintenance checks shall be made and a record of the findings and corrective actions taken shall be kept in a maintenance log:
[391-3-1-.02(6)(b)1]
- a. Record the pressure drop across the dryer baghouse and ensure that it is within the range determined to indicate compliance. This check shall occur at least once per operating day.
 - b. Check the baghouses for proper operation on a weekly basis.
 - i. 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.
 - ii. 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.
 - iii. 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.
 - c. Check dust collector hoppers and conveying systems for proper operation, on a weekly basis.
 - d. For the lime silo bin vent baghouse, if any, the Permittee shall assure that no visible emissions are exhausting from the silo or a bin vent each time it is being filled.

5. Monitoring

- 5.1 Any monitoring system installed by the Permittee shall be in continuous operation except during calibration checks, zero, and span adjustments or 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 The Permittee shall install, calibrate, operate, and maintain pressure drop and temperature indicators on the dryer baghouse.
[391-3-1-.02(6)(b)1]

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- 5.3 The Permittee shall read and record dryer baghouse temperature at least once per operating day. A logbook containing these records shall be available for inspection and/or submittal to the Division.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]
- 5.4 The Permittee shall, upon written request by the Division, analyze any used oil to be burned in the Asphalt Plant. The sample(s) shall be obtained and analyzed using the following methods;
[391-3-1-.02(6)(b)1(i)]
- a. The procedures described in U.S. Environmental Protection Agency document EPA-600/2-80-018 (Samplers and Sampling Procedures for Hazardous Waste Streams) shall be used to obtain the sample.
 - b. Method 6010B, contained in the SW-846 methods manual of U.S. Environmental Protection Agency's Office of Solid Waste, shall be used to determine concentrations of arsenic, cadmium, chromium, and lead.
 - c. SW-846 Method 9077 C shall be used to determine total halogens.
 - d. ASTM D 93 shall be used to determine flash point.
 - e. Polychlorinated Biphenyls (PCB) shall be determined using the test method described in U.S. Environmental Protection Agency Document EPA-600/4-81-045 (The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oil).

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), 391-3-1-.02(3)(a), and 40 CFR 60.8(d)]
- 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.

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- 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.

- 6.2 In accordance with the provisions of 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the source will be operating, but no later than 180 days after the initial startup, the Permittee shall conduct particulate matter and visible emissions performance tests on the emissions from the dryer baghouse, in order to demonstrate compliance with the emissions limits in Condition 2.1, and shall submit a written report of the results of the performance tests. The tests shall be conducted at the maximum anticipated production rate. Following the initial performance testing, the Permittee shall conduct PM and visible emissions tests on the dryer baghouse at 48 month intervals.
[40 CFR 60.8(a), 391-3-1-.02(3), and 391-3-1-.03(2)(c)]

- 6.3 Should production rates increase above the rates at which the acceptable performance tests were made, the Division may require that the dryer baghouse be re-tested for compliance at a higher production rate.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

7. Notification, Reporting and Record Keeping Requirements

- 7.1 The Permittee shall furnish the Division written notification of the actual date of initial startup of the proposed equipment at this site within 15 days after such date. For purposes of this Permit, “startup” shall mean the setting in operation of a source for any purpose.
[40 CFR 60.7(a)(3)]

- 7.2 The Permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment or any periods during which a continuous monitoring system or monitoring device is inoperative.
[40 CFR 60.7(b) and 391-3-1-.03(2)(c)]

- 7.3 The Permittee shall retain operational records on all fuel burning sources for five years after the date and year of record. The records shall be available for inspection and/or submittal to the Division and contain:
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]
 - a. A log of the monthly total production of asphalt (in tons). The total asphalt production for the previous 11 consecutive months must be included in each month’s log.

 - b. A log of the monthly total usage of fuel oil in the drum dryer. The total gallons used during the previous 11 consecutive months must be included in each month’s log.

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- c. Fuel oil supplier certifications for each shipment of fuel oil verifying that the sulfur content of the oil does not exceed 1.5 percent by weight.
 - d. Records of fuel analyses for each shipment of waste oil delivered, showing it meets the specifications listed in Condition 2.5.
- 7.4 The Permittee shall notify the Division in writing, within 15 days, if any of the limits in Conditions 2.2 or 2.4 are exceeded or if any Off-specification used oil is fired in the dryer burner or hot oil heater.
[391-3-1-.02(6)(b)1 and 391-3-1-.03(2)(c)]

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.
[391-3-1-.02(2)(a)3(ii)]
- 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 Fees."
[391-3-1-.03(9)]
- 8.3 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)]