

AIR QUALITY PERMIT

Permit No.
4741-299-0017-S-04-0

Effective Date
June 12, 2015

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: **CSX Transportation**

Mailing Address: 500 Water Street – J275
Jacksonville, Florida 32202

is issued a Permit for the following:

Operation of a railroad locomotive and car repair 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.

Facility Location: 1100 W. Hamilton Avenue
Waycross, Georgia 31503 (Ware County)

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. 23251 dated April 21, 2015; 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 **7** pages.

[Signed]

Director

Environmental Protection Division

**State of Georgia
Department of Natural Resources
Environmental Protection Division**

**Permit No.
4741-299-0017-S-04-0**

Page 1 of 7

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.

Allowable Emissions

- 2.1 The Permittee shall not discharge nor cause the discharge into the atmosphere from the entire facility volatile organic compound (VOC) emissions in an amount equal to or exceeding 100 tons during any consecutive 12-month period.
- 2.2 The Permittee shall not discharge, or cause the discharge into the atmosphere, from the entire facility, any single hazardous air pollutant (HAP) in an amount equal to or exceeding 10 tons during any twelve consecutive month period, or any combination of such listed pollutants in an amount equal to or exceeding 25 tons during any consecutive 12-month period.

State of Georgia
Department of Natural Resources
Environmental Protection Division

Permit No.
4741-299-0017-S-04-0

Page 2 of 7

- 2.3 The Permittee shall comply with Georgia Air Quality Control Rule 391-3-1-.02(2)(b), "Visible Emissions." Subject to this rule, the Permittee shall not cause, let, suffer, permit or allow emissions from any air contaminant source the opacity of which is equal to or greater than forty (40) percent.
- 2.4 The Permittee shall comply with Georgia Air Quality Control Rule 391-3-1-.02(2)(e), "Particulate Emissions from Manufacturing Processes." Subject to this rule, 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 following rates:

$$E = 4.1 P^{0.67}; \text{ for process input weight rate up to and including 30 tons per hour.}$$
$$E = 55 P^{0.11} - 40; \text{ for process input weight rate above 30 tons per hour.}$$

Where E = emission rate in pounds per hour, and
P = process input weight rate in tons per hour.

- 2.5 The Permittee shall not operate the following sources in excess of the total hours listed below during any consecutive 12-month period.

Emission Unit	ID No.	Hours Per 12 Months
Sandblasting	AB1	2080
Back-up Generator	IC2	500
Back-up Generator	IC5	500
Back-up Generator	IC6	500
Back-up Generator	IC7	500
Back-up Generator	IC8	500
Back-up Generator	IC9	500
Deep Well Pump	IC3	520
Deep Well Pump	IC4	520

- 2.6 The Permittee shall comply with the 40 CFR 60, Subpart A "General Provisions" and 40 CFR 60 Subpart IIII "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines" for operation of the Emergency Generators, ID Nos. IC2, IC7, IC8 and IC9 and Deep Well Pump ID No. IC3.
- 2.7 The Permittee shall not discharge or cause the discharge into the atmosphere from Emergency Generator IC7, any gases which contain emissions in excess of the following:
[40 CFR 60.4204(a)]
- HC emissions in excess of 1.3 g/kW-hr or 1.0 g/hp-hr
 - NOx emissions in excess of 9.2 g/kW-hr or 6.9 g/bhp-hr
 - CO emissions in excess of 11.4 g/kW-hr or 8.5 g/hp-hr
 - PM emissions in excess of 0.54 g/kW-hr or 0.4 g/hp-hr

State of Georgia
Department of Natural Resources
Environmental Protection Division

Permit No.
4741-299-0017-S-04-0

Page 3 of 7

- 2.8 The Permittee shall not discharge or cause the discharge into the atmosphere from Deep Well Pump ID No. IC3, any gases which contain emissions in excess of the following:
[40 CFR 60.4205(b)]
- a. NMHC + NO_x emissions in excess of 4.0 g/kW-hr or 3.0 g/hp-hr
 - b. PM emissions in excess of 0.30 g/kW-hr or 0.22 g/hp-hr
- 2.9 The Permittee ensure that Emergency Generators, ID Nos. IC2, IC8 and IC9 are certified by the manufacturer in accordance with 40 CFR 60 Subpart IIII “Standards of Performance for Stationary Compression Ignition Internal Combustion Engines”.
[40 CFR 60.4204(b)]
- 2.10 The Permittee shall only fire diesel fuel in the Emergency Generators, ID Nos. IC2, IC7, IC8 and IC9, and Deep Well Pump ID No. IC3, which meets the following requirements:
[40 CFR 60.4207(b) and 391-3-1-.02(2)(g) subsumed]
- a. Maximum sulfur content of 15 ppm.
 - b. A minimum centane index of 40, or
 - c. A maximum aromatic content of 35 volume percent.
- 2.13 The maintenance check and readiness testing time for the Emergency Generators, ID Nos. IC2, IC7, IC8 and IC9, and Deep Well Pump ID No. IC3 shall not exceed 100 hours during any twelve consecutive months for each unit. Any operation other than emergency operation, maintenance check and readiness testing is prohibited.
[40 CFR 60.4211(e)]
- 2.14 The Permittee shall operate and maintain the Emergency Generators, ID Nos. IC2, IC7, IC8 and IC9, and Deep Well Pump ID No. IC3 according to the engine manufacturer’s written instructions, or using procedures developed by the Permittee that are approved by the engine manufacturer.
[40 CFR 60.4206 and 40 CFR 60.4211(a)]

Fugitive Emissions

- 3.1 The Permittee shall take all reasonable precautions with any operation, process, handling, transportation, or storage facilities to prevent fugitive emissions of air contaminants.

**State of Georgia
Department of Natural Resources
Environmental Protection Division**

**Permit No.
4741-299-0017-S-04-0**

Page 4 of 7

Process & Control Equipment

- 4.1 Routine maintenance shall be performed on all air pollution control equipment during periods of operation. The Permittee shall record and maintain records of routine maintenance in a form suitable for inspection or submittal to the Division.

Monitoring

- 5.1 The Permittee shall install, calibrate, maintain, and operate a non-resettable hour meter to measure and record the engine operating hours for all internal combustion engines subject to 40 CFR 60 Subpart IIII "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"
[40 CFR 60.4209(a)]

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.
 - 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.

State of Georgia
Department of Natural Resources
Environmental Protection Division

Permit No.
4741-299-0017-S-04-0

Page 5 of 7

Notification, Reporting and Record Keeping Requirements

- 7.1 The Permittee shall maintain monthly usage records of all VOC containing materials used at the entire facility. These records shall include the total weight of each material used and the VOC content of each material (expressed as a weight percentage). If the Permittee wishes to subtract the volatile content of waste materials from the VOC emissions calculations, the records must also indicate the weight of any containerized material disposed as waste, the VOC content of the containerized waste material, and documentation of the method for determining the VOC content of the waste material.
- 7.2 The Permittee shall use the records required in Condition 7.1 to calculate combined total monthly VOC emissions from the entire facility. All demonstration calculations, including any Division-approved emission factor, control efficiency and/or coating transfer efficiency used in the calculations, shall be kept as part of the records required in Condition 7.1. The Permittee shall notify the Division in writing if the combined total monthly VOC emissions from the entire facility exceed 8.3 tons during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the emission limit in Condition 2.1.
- 7.3 The Permittee shall use the monthly VOC emission data required in Condition 7.2 to calculate the combined 12-month rolling total of VOC emissions from the entire facility for each calendar month. The Permittee shall notify the Division in writing if the combined 12-month rolling total of VOC emissions from the entire facility equals or exceeds 100 tpy. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to attain compliance with the emission limit in Condition No. 2.1.
- 7.4 The Permittee shall maintain monthly usage records of all HAP containing materials used at the entire facility. These records shall include the total weight of each material used and the HAP content of each material (expressed as a weight percentage). If the Permittee wishes to subtract the HAP content of waste materials from the HAP emissions calculations, the records must also indicate the weight of any containerized material disposed as waste, the HAP content of the containerized waste material, and documentation of the method for determining the HAP content of the waste material.
- 7.5 The Permittee shall use the records required in Condition 7.4 to determine the total monthly emissions of combined hazardous air pollutants and the total monthly emissions of each listed hazardous air pollutant from the entire facility. All demonstration calculations, including any Division-approved emission factor, control efficiency and/or coating transfer efficiency used in the calculations, shall be kept as part of the records required in Condition 7.4. The Permittee shall notify the Division in writing if emissions of any individual hazardous air pollutant exceed 0.83 tons from the entire facility, or if emissions of all listed hazardous air pollutants combined exceed 2.08 tons from the entire facility, during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the emission limit in Condition 2.2.

**State of Georgia
Department of Natural Resources
Environmental Protection Division**

**Permit No.
4741-299-0017-S-04-0**

Page 6 of 7

- 7.6 The Permittee shall use the calculations required by Condition No. 7.5 to determine the twelve month rolling total emissions of each individual HAP for each month and the twelve month rolling total combined HAP emissions for each month from the entire facility for each calendar month. The Permittee shall notify the Division in writing if the combined HAP emissions from the entire facility equal or exceed 25 tons and/or any individual HAP equals or exceeds 10 tons during any consecutive twelve-month period. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to attain compliance with the emission limit in Condition No. 2.2.
- 7.7 The Permittee shall maintain an operating log, for sandblasting and each internal combustion unit, which indicates the time (hr:minutes) that the source is started up or shut down. The log shall be maintain in a form suitable and available for inspection by the Division and shall be retain for at least five years from the date of last entry.
- 7.8 The Permittee shall notify the Division in writing if the hours of operation for the sandblasting unit (ID No. AB1) exceeds 173.3 hours of operation during any calendar month. This notification shall be postmarked the fifteenth day of the following month and shall include an explanation of the Permittee intends to maintain compliance with the operation limit contained in Condition 2.5.
- 7.9 The Permittee shall notify the Division in writing if the hours of operation for a back-up generators exceed 41.66 hours of operation during any calendar month. This notification shall be postmarked the fifteenth day of the following month and shall include an explanation of the Permittee intends to maintain compliance with the operation limit contained in Condition 2.5.
- 7.10 The Permittee shall notify the Division in writing if the hours of operation for the deep well pumps exceeds 43.3 hours of operation during any calendar month. This notification shall be postmarked the fifteenth day of the following month and shall include an explanation of the Permittee intends to maintain compliance with the operation limit contained in Condition 2.7.
- 7.11 The Permittee shall maintain records to demonstrate that each shipment of diesel fuel received for combustion in the Emergency Generators, ID Nos. IC2, IC7, IC8 and IC9, and Deep Well Pump ID No. IC3, complies with the requirements of Condition 2.12. Verification shall consist of either of the following:
[40 CFR 60.4207(b) and 391-3-1-.02-(2)(g)2.(subsumed)]
- a. Fuel oil receipts obtained from the fuel supplier certifying that the oil is diesel fuel and complies with the standards; or
 - b. Analysis of the diesel fuel conducted by methods of sampling and analysis which have been specified or approved by the Division which demonstrates that the diesel fuel complies with the standards.

**State of Georgia
Department of Natural Resources
Environmental Protection Division**

**Permit No.
4741-299-0017-S-04-0**

Page 7 of 7

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 Fees."
- 8.3 All Georgia Air Quality Permits and amendments previously issued to this facility, including Air Quality Permit No. 4741-299-0017-S-03-0, and Amendment No. 4741-299-0017-S-03-1, are hereby revoked in their entirety.