

Part 70 Operating Permit

Permit Number: 4911-171-0014-V-02-0 **Effective Date:** April 10, 2015

Facility Name: Piedmont Green Power, LLC.

Facility Address: 100 Legacy Park Drive
Barnesville, Georgia, 30204, Lamar County

Mailing Address: P.O. Box 130
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Parent/Holding Company: Piedmont Green Power, LLC.

Facility AIRS Number: 04-13-171-00014

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a Part 70 Permit for:

The operation of a 60.5 MW steam-turbine generator powered by steam from a 700 MMBtu/hr boiler (Source Code: B1) firing a combination of clean cellulosic biomass and small quantities of biodiesel during startup, shutdown, and bed stabilization only; and operation of 1500-KW emergency generator (Source Code: EG1), a biodiesel-fired generator.

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. Unless modified or revoked, this Permit expires five years after the effective date indicated above.

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, for any misrepresentation made in Title V Application No. TV-22005 signed on June 28, 2013 and May 15, 2014, any other applications upon which this Permit is based, supporting data entered therein or attached thereto, or any subsequent submittal of 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 **47** pages.

[Signed]

Director
Environmental Protection Division

Table of Contents

PART 1.0 FACILITY DESCRIPTION 1

1.1 Site Determination 1

1.2 Previous and/or Other Names 1

1.3 Overall Facility Process Description..... 1

PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY 2

2.1 Facility Wide Emission Caps and Operating Limits..... 2

2.2 Facility Wide Federal Rule Standards..... 2

2.3 Facility Wide SIP Rule Standards..... 2

2.4 Facility Wide Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit 2

PART 3.0 REQUIREMENTS FOR EMISSION UNITS 3

3.1 Emission Units 3

3.2 Equipment Emission Caps and Operating Limits 3

3.3 Equipment Federal Rule Standards 4

3.4 Equipment SIP Rule Standards 6

3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit 7

PART 4.0 REQUIREMENTS FOR TESTING..... 8

4.1 General Testing Requirements 8

4.2 Specific Testing Requirements 9

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection) 10

5.1 General Monitoring Requirements..... 10

5.2 Specific Monitoring Requirements 10

PART 6.0 RECORD KEEPING AND REPORTING REQUIREMENTS 15

6.1 General Record Keeping and Reporting Requirements 15

6.2 Specific Record Keeping and Reporting Requirements..... 18

PART 7.0 OTHER SPECIFIC REQUIREMENTS..... 27

7.1 Operational Flexibility 27

7.2 Off-Permit Changes 27

7.3 Alternative Requirements..... 28

7.4 Insignificant Activities 28

7.5 Temporary Sources 28

7.6 Short-term Activities 28

7.7 Compliance Schedule/Progress Reports 28

7.8 Emissions Trading..... 28

7.9 Acid Rain Requirements 28

7.10 Prevention of Accidental Releases (Section 112(r) of the 1990 CAAA)..... 29

7.11 Stratospheric Ozone Protection Requirements (Title VI of the CAAA of 1990) 30

7.12 Revocation of Existing Permits and Amendments..... 31

7.13 Pollution Prevention..... 31

7.14 Specific Conditions 31

PART 8.0 GENERAL PROVISIONS 32

8.1 Terms and References 32

8.2 EPA Authorities 32

8.3 Duty to Comply..... 32

8.4 Fee Assessment and Payment 33

Title V Permit

8.5	Permit Renewal and Expiration	33
8.6	Transfer of Ownership or Operation	33
8.7	Property Rights.....	33
8.8	Submissions.....	34
8.9	Duty to Provide Information	34
8.10	Modifications	35
8.11	Permit Revision, Revocation, Reopening and Termination.....	35
8.12	Severability	36
8.13	Excess Emissions Due to an Emergency	36
8.14	Compliance Requirements	37
8.15	Circumvention.....	39
8.16	Permit Shield.....	39
8.17	Operational Practices	40
8.18	Visible Emissions.....	40
8.19	Fuel-burning Equipment	40
8.20	Sulfur Dioxide.....	41
8.21	Particulate Emissions	41
8.22	Fugitive Dust.....	41
8.23	Solvent Metal Cleaning.....	42
8.24	Incinerators.....	43
8.25	Volatile Organic Liquid Handling and Storage	43
8.26	Use of Any Credible Evidence or Information	44
8.27	Diesel-Fired Internal Combustion Engines.....	44
8.28	Boilers and Process Heaters	45
Attachments	47
A. List of Standard Abbreviations and List of Permit Specific Abbreviations		
B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups		
C. List of References		

PART 1.0 FACILITY DESCRIPTION

1.1 Site Determination

There are no other facilities which could possibly be contiguous or adjacent and under common control.

1.2 Previous and/or Other Names

No previous names or other names have been identified.

1.3 Overall Facility Process Description

The facility operates a 60.5 Megawatt (MW) power generation facility in Barnesville, Georgia. The primary emission source at the facility is a 700 MMBtu/hr circulated fluidized bed boiler fueled with clean cellulosic biomass. Small quantities of biodiesel may be used during startup, shutdown, and bed stabilization only. Steam from this boiler will be routed to a turbine generator that will provide electricity for distribution to the power grid.

PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY

2.1 Facility Wide Emission Caps and Operating Limits

None Applicable.

2.2 Facility Wide Federal Rule Standards

None Applicable.

2.3 Facility Wide SIP Rule Standards

None Applicable.

2.4 Facility Wide Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit

None Applicable.

Title V Permit

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1 Emission Units

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
B1	700 MMBtu/hr boiler fired with clean cellulosic biomass as a primary fuel and biodiesel for startup, shutdown, and bed stabilization	391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 40 CFR 60, Subpart A 40 CFR 60, Subpart Db 40 CFR 63, Subpart A 40 CFR 63, Subpart JJJJJ	3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.3.2, 3.3.3, 3.3.4, 3.3.5, 3.3.6, 3.3.7, 3.4.1, 3.4.2, 3.4.6, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.2.7, 5.2.8, 5.2.9, 6.1.7, 6.2.1, 6.2.2, 6.2.3, 6.2.6 thru 6.2.16	SNCR B1BH	Selective Non-Catalytic Reduction Baghouse
EG1	1500-KW biodiesel-fired emergency generator	391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 40 CFR 60, Subpart A 40 CFR 60, Subpart III 40 CFR 63, Subpart A 40 CFR 63, Subpart ZZZZ	3.2.1, 3.2.2, 3.3.8, 3.3.9, 3.3.10, 3.3.11, 3.3.12, 3.3.13, 3.3.14, 3.4.3, 5.2.6, 6.1.7, 6.2.4, 6.2.5, 6.2.14 thru 6.2.16	NA	NA
AS1	6,000 cubic feet Ash Storage Tank	391-3-1-.02(2)(e)1 391-3-1-.02(2)(n)	3.4.4, 3.4.5	AS1F	Ash silo bin vent filter

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards and corresponding permit conditions are intended as a compliance tool and may not be definitive.

3.2 Equipment Emission Caps and Operating Limits

- 3.2.1 The Permittee shall not discharge or cause the discharge into the atmosphere, from the entire facility, emissions of nitrogen oxides (NOx) or carbon monoxide (CO) in an amount exceeding 249 tons during any twelve consecutive months.
[Avoidance of 40 CFR 52.21]

- 3.2.2 The Permittee shall not discharge or cause the discharge into the atmosphere from the entire facility any single hazardous air pollutant which is listed in Section 112 of the Clean Air Act, in an amount equal to or exceeding 10 tons during any twelve consecutive months, or any combination of such listed pollutants in an amount equal to or exceeding 25 tons during any twelve consecutive months.
[Avoidance of 40 CFR 63 and 391-3-1-.03(2)(c)]

- 3.2.3 The Permittee shall only fire clean cellulosic biomass in the boiler (Source Code: B1). Biodiesel may be fired during startup, shutdown, and bed stabilization only.
[391-3-1-.03(2)(c) and Acid Rain Regulation Avoidance]

3.3 Equipment Federal Rule Standards

- 3.3.1 The Permittee shall comply with all applicable provisions of the “New Source Performance Standards” as found in 40 CFR 60, Subpart A, “General Provisions” and 40 CFR 60, Subpart Db, “Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units” for the operation of the boiler (Source Code: B1).
[40 CFR 60, Subparts A and Db]
- 3.3.2 The Permittee shall not discharge or cause the discharge into the atmosphere from the boiler (Source Code: B1) emissions that:
[40 CFR 60.43(f) and (h)(1); 391-3-1-.02(2)(d) subsumed]
- a. Contain particulate matter in excess of 0.03 pounds per million BTU heat input. This particulate matter standard shall apply at all times except periods of startup, shutdown, and malfunction.
 - b. Exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. This opacity standard shall apply at all times except periods of startup, shutdown, and malfunction.
- 3.3.3 The Permittee shall only fire biodiesel fuel in the Boiler (Source Code: B1) during startup, shutdown, and bed stabilization only. The Permittee shall not burn biodiesel fuel containing more than 0.30 percent sulfur, by weight or that, when combusted without SO₂ emission control, has an SO₂ emission rate equal to or less than 140 ng/J (0.32 lb/MMBtu) heat input, in the Boiler (Source Code: B1).
[40 CFR 60.42b(k)2 SO₂ limit Avoidance]
- 3.3.4 The Permittee shall not combust more than 4,380,000 gallons of biodiesel fuel in the Boiler (Source Code: B1) during any 12 consecutive month period; the Permittee shall limit the annual capacity factor for biodiesel fuel fired in the Boiler (Source Code: B1) to 10 percent (0.10) or less.
[40 CFR 60.44b(l)1 NO_x limit Avoidance]
- 3.3.5 The Permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR 63, in Subpart A – “General Provisions,” and Subpart JJJJJ – “National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources” for the operation of the boiler (Source Code: B1).
[40 CFR 63, Subparts A and JJJJJ]
- 3.3.6 The Permittee shall not cause to be discharged into the atmosphere from the boiler (Source Code: B1) any gases that contain Particulate Matter (PM) in excess of 0.03 lb/MMBtu heat input. This standard shall apply at all times, except during period of startup and shutdown.
[40 CFR 63.11201(a) and (d), Table 1 of 40 CFR 63, Subpart JJJJJ]

Title V Permit

- 3.3.7 The Permittee shall not cause to be discharged into the atmosphere from the boiler (Source Code: B1) any gases that exhibit greater than 10 percent opacity on a daily block average. This standard shall apply at all times, including period of startup and shutdown.
[40 CFR 63.11201(c) and (d), Table 3 of 40 CFR 63, Subpart JJJJJ]
- 3.3.8 The Permittee shall comply with all applicable provisions of 40 CFR 60 New Source Performance Standards (NSPS), Subpart A "General Provisions" and Subpart III – "Standards for Stationary Compression Ignition Internal Combustion Engines", for the operation of the emergency generator (Source Code: EG1).
[40 CFR 60.4204, 40 CFR 60.4205(b) and 40 CFR 60.4206]
- 3.3.9 The Permittee shall not discharge into or cause the discharge into the atmosphere from the emergency generator (Source Code: EG1) any visible emissions the opacity of which is equal to or greater than 20 percent during the acceleration mode, 15 percent during the lugging mode; and 50 percent during the peaks in either the acceleration or lugging modes.
[40 CFR 60.4202(a), 40 CFR 60.4202(b), 40 CFR 89.113, and 391-3-1-.02(2)(b) subsumed]
- 3.3.10 The accumulated non-emergency service (maintenance check and readiness testing) time for the emergency generator (Source Code: EG1) shall not exceed 100 hours per year. Any operation other than emergency operation, maintenance check and readiness testing is prohibited.
[40 CFR 60.4211(f)]
- 3.3.11 The Permittee shall purchase and fuel the emergency generator (Source Code: EG1), with biodiesel that has a maximum sulfur content of 15 ppm (0.0015% by weight) and either a minimum cetane index of 40 or maximum aromatic content of 35 volume percent
[40 CFR 60.4207, 40 CFR 80.510(b), and 391-3-1-.02(2)(g) (subsumed)]
- 3.3.12 The emergency generator (Source Code: EG1) shall be installed and configured according to the specifications and instructions provided by the manufacturers.
[40 CFR 60.4211(b)]
- 3.3.13 The emergency generator (Source Code: EG1) shall be operated and maintained according to the manufacturer's written specifications/instructions or procedures developed by the Permittee that are approved by the engine manufacturer, over the entire life of the engine.
[40 CFR 60.4211(a)]
- 3.3.14 The Permittee shall comply with the 40 CFR 63, Subpart A "General Provisions" and 40 CFR 63, Subpart ZZZZ "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [RICE]" for operation of the emergency generator (Source Code: EG1).
[40 CFR 63, Subparts A and ZZZZ]

3.4 Equipment SIP Rule Standards

- 3.4.1 The Permittee shall not discharge, or cause the discharge; into the atmosphere from the Boiler (Source Code: B1) any gases which contain particulate matter (PM) in amount equal to or exceeding the rate derived from the equation noted below:
[391-3-1-.02(2)(d)2]

$P = 0.10$ pound per million BTU heat input

Where,

P = Allowable weight of emissions of fly ash and/or other particulate matter in pounds per million BTU heat input.

- 3.4.2 The Permittee shall not burn fuel containing more than 3 percent sulfur, by weight, in the boiler (Source Code: B1).
[391-3-1-.02(2)(g)2]

- 3.4.3 The Permittee shall limit the emergency generator (Source Code: EG1) to emergency standby operation only and shall operate the generator less than 200 hours during any consecutive twelve-month period. This generator shall be operated only in the event of power loss from the local grid (emergency standby mode).
[391-3-1-.02(2)(mmm)7]

- 3.4.4 The Permittee shall not cause, let, suffer, permit or allow emissions from the storage silos (Source Code: AS1) the opacity of which is equal to or greater than twenty (20) percent.
[391-3-1-.02 (2)(n)]

- 3.4.5 The Permittee shall not discharge, or cause the discharge, into the atmosphere from the storage silos (Source Code: AS1) any gases which contain particulate matter in excess of the rate derived from the equation noted below:
[391-3-1-.02 (2)(e)(1)]

- a. For process input weight rate up to and including 30 tons per hour:

$$E = 4.1P^{0.67}; \text{ or}$$

- b. For process input weight rate above 30 tons per hour:

$$E = 55P^{0.11} - 40$$

Where E equals the allowable PM emission rate in pounds per hour and P equals the total dry process input weight rate in tons per hour.

- 3.4.6 For the purposes of this Permit: Clean cellulosic biomass means those residuals that are akin to traditional cellulosic biomass, including, but not limited to: Agricultural and forest-derived biomass (e.g., green wood, forest thinnings, clean and unadulterated bark, sawdust, trim, tree harvesting residuals from logging and sawmill materials, hogged fuel,

wood pellets, untreated wood pallets); urban wood (e.g., tree trimmings, stumps, and related forest-derived biomass from urban settings); corn stover and other biomass crops used specifically for the production of cellulosic biofuels (e.g., energy cane, other fast growing grasses, byproducts of ethanol natural fermentation processes); bagasse and other crop residues (e.g., peanut shells, vines, orchard trees, hulls, seeds, spent grains, cotton byproducts, corn and peanut production residues, rice milling and grain elevator operation residues); wood collected from forest fire clearance activities, trees and clean wood found in disaster debris, clean biomass from land clearing operations, and clean construction and demolition wood.

These fuels are not secondary materials or solid wastes unless discarded. Clean biomass is biomass that does not contain contaminants at concentrations not normally associated with virgin biomass materials.

Any wood that has been treated with compounds such as chromate copper arsenate are not considered clean cellulosic biomass.

[391-3-1-.03(2)(c) and 40 CFR 241.2]

3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit

None Applicable.

PART 4.0 REQUIREMENTS FOR TESTING**4.1 General Testing Requirements**

- 4.1.1 The Permittee shall cause to be conducted a performance test at any specified emission unit when so directed by the Environmental Protection Division (“Division”). The test results shall be submitted to the Division within 60 days of the completion of the testing. Any tests shall be performed and conducted using methods and procedures that have been previously specified or approved by the Division.
[391-3-1-.02(6)(b)1(i)]
- 4.1.2 The Permittee shall provide the Division thirty (30) days (or sixty (60) days for tests required by 40 CFR 63) 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.
[391-3-1-.02(3)(a) and 40 CFR 63.7(b)(1)]
- 4.1.3 Performance and compliance 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. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, 3.4 and 3.5 are as follows:
- a. Method 1 for the determination of sample point locations.
 - b. Method 2 for the determination of stack gas flow rate.
 - c. Method 3 or 3A for the determination of stack gas molecular weight.
 - d. Method 3B for the determination of the emission rate correction factor or excess air; Method 3A may be used as an alternate.
 - e. Method 4 for the determination of stack gas moisture.
 - f. Method 5 and Method 202 for the determination of Particulate Matter emissions.
 - g. Method 6 or 6C for the determination of Sulfur Dioxide emissions.
 - h. Method 7 or 7E for the determination of Nitrogen Oxides emissions. The NO_x CERMS required by Condition 5.2.1a is the compliance method for Condition 3.2.1.
 - i. Method 9 and the procedures of Section 1.3 of the above referenced document for the determination of the opacity of visual emissions.
 - j. Method 10 for the determination of Carbon Monoxide emissions. The CO CERMS required by Condition 5.2.1b is the compliance method for Condition 3.2.1.
 - k. Method 26A for the determination of hydrochloric acid (HCl) emissions; the sampling time for each run shall be one hour.

- l. Method 19 when applicable, to convert particulate matter, carbon monoxide, sulfur dioxide, and nitrogen oxides concentrations, as determined using other methods specified in this section, to emission rates (i.e. lb/MMBtu).
- m. Method 201 or Method 201A in conjunction with Method 202 shall be used to determine the PM₁₀/PM_{2.5} concentration. The minimum sampling time for each run shall be one hour.

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections that, in his opinion, render those methods or procedures, or portions thereof, more reliable.

[391-3-1-.02(3)(a)]

- 4.1.4 The Permittee shall submit performance test reports to the US EPA's WebFIRE database in accordance with any applicable NSPS or NESHAP standards (40 CFR 60 or 40 CFR 63) that contain Electronic Data Reporting Requirements.

[391-3-1-.02)(8)(a) and 391-3-1-.02(9)(a)]

4.2 Specific Testing Requirements

- 4.2.1 The Permittee shall conduct performance stack test for Particulate Matter (PM) from the boiler (Source Code: B1) according to 40 CFR 63.11212 on a triennial basis. Triennial performance tests must be completed no more than 37 months after the previous performance test, and the performance test shall be conducted according to the procedures in 40 CFR 63.11212 and Table 4 of 40 CFR 63 Subpart JJJJJJ.

[40 CFR 63.11220(a), 40 CFR 63.11210(d), and 40 CFR 63.11212]

- 4.2.2 The Permittee shall maintain the operating load of the boiler (Source Code: B1), such that the 30-day rolling average operating load does not exceed 110 percent of the average operating load established during the most recent performance stack test.

[40 CFR 63.11201(c) and Tables 3 and 7 to 40 CFR 63 Subpart JJJJJJ]

- 4.2.3 By June 26, 2018, the Permittee shall conduct a performance test of the boiler (Source Code: B1) using the test method specified in Condition 4.1.3 for HCl emissions. Each performance test thereafter shall be conducted no later than 60 months after the previous test. The Permittee shall use the data collected from the most recent performance test to establish an HCl emission factor and control efficiency to calculate monthly HCl emissions as described in Condition 6.2.14.

[391-3-1-.02(6)1 and Avoidance of 40 CFR 63]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)**5.1 General Monitoring Requirements**

5.1.1 Any continuous monitoring system required by the Division and installed by the Permittee shall be in continuous operation and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Monitoring system response, relating only to calibration checks and zero and span adjustments, shall be measured and recorded during such periods. 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 Specific Monitoring Requirements

5.2.1 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated pollutants on the following equipment. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements. [391-3-1-.02(6)(b)1, 40 CFR 60.48b, and Avoidance of 40 CFR 52.21]

- a. A Continuous Emissions Rate Monitoring System (CERMS) for measuring NO_x emissions discharged to the atmosphere from the boiler (Source Code: B1). The 1-hour average NO_x emissions rates shall also be recorded in pound per hour.
- b. A Continuous Emissions Monitoring System (CERMS) for measuring CO discharged to the atmosphere from the boiler (Source Code: B1). The 1-hour average CO emissions rates shall also be recorded in pound per hour.
- c. A Continuous Opacity Monitoring System (COMS) for measuring opacity discharged to the atmosphere from the boiler (Source Code: B1).
- d. For the purpose of this permit, a valid hour of emissions data means any 60-minute period commencing on the hour and it must be based on at least 30 minutes of operation and include at least 2 data points representing two 15-minute periods. And in accordance with Section 1.4 of the Division's **Procedures for Testing and Monitoring Sources of Air Pollutants**.
- e. At a minimum, the Permittee shall obtain valid 1-hour NO_x and CO emission data for at least 75 percent of all operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. The 1-hour averages are calculated using the data points required in Section 1.4 of the Division's **Procedures for Testing and Monitoring Sources of Air Pollutants**. If this minimum data requirement cannot be met with a CERMS, the owner or operator shall supplement emission data with other monitoring systems approved by the Director or the reference methods and procedures described in Condition 4.1.3.

Title V Permit

- f. The Permittee shall, using the procedures of Appendix F, Procedure 1 (Quality Assurance Requirements for Gas Continuous Emissions Monitoring Systems Used for Compliance Determination) contained in the Division's **Procedures for Testing and Monitoring Sources of Air Pollutants**, assess the quality and accuracy of the data acquired by the (CERMS) required by Conditions 5.2.1a. and b.
- 5.2.2 The Permittee shall install, operate, certify and maintain the Continuous Opacity Monitoring System (COMS) from the boiler (Source Code: B1) according to the procedures as specified in 40 CFR 63.11224(e).
[40 CFR 63.11224(e)]
- a. Each COMS must be installed, operated, and maintained according to Performance Specification 1 of 40 CFR 60, Appendix B.
- b. The Permittee must conduct a performance evaluation of each COMS according to the requirements in 40 CFR 63.8 and according to Performance Specification 1 of 40 CFR 60, Appendix B.
- c. As specified in 40 CFR 63.8(c)(4)(i), each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.
- d. The COMS data must be reduced as specified in 40 CFR 63.8(g)(2).
- e. The Permittee must include in the site-specific monitoring plan procedures and acceptance criteria for operating and maintaining each COMS according to the requirements in 40 CFR 63.8(d). At a minimum, the monitoring plan must include a daily calibration drift assessment, a quarterly performance audit, and an annual zero alignment audit of each COMS.
- f. The Permittee must operate and maintain each COMS according to the requirements in the monitoring plan and the requirements of 40 CFR 63.8(e). Identify periods the COMS is out of control including any periods that the COMS fails to pass a daily calibration drift assessment, a quarterly performance audit, or an annual zero alignment audit.
- g. The Permittee must determine and record all the daily block averages collected for periods during which the COMS is not out of control.
- h. For purposes of collecting opacity data, you must operate the COMS as specified in 40 CFR 63.11221(b). For purposes of calculating data averages, you must use all the data collected during all periods in assessing compliance, except that you must exclude certain data as specified in 40 CFR 63.11221(c). Periods when COMS data are unavailable may constitute monitoring deviations as specified in 40 CFR 63.11221(d).

Title V Permit

- 5.2.3 The Permittee shall conduct a performance tune-up of the boiler (Source Code: B1) every five years as specified in 40 CFR 63.11223. Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up. The initial tune-up shall be conducted no later than 61 months after the initial startup of the boiler and shall include the following: [40 CFR 63.11223(a) and (b), Table 2 of 40 CFR 63 Subpart JJJJJ]
- a. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, but you must inspect each burner at least once every 36 months).
 - b. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
 - c. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.
 - d. Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.
 - e. Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).
 - f. Maintain onsite and submit, if requested by the Division, 5-year report containing the following information:
 - i. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.
 - ii. A description of any corrective actions taken as a part of the tune-up of the boiler.
 - iii. The type and amount of fuel used over the 12 months prior to the 5-year tune-up of the boiler.
 - g. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.
- 5.2.4 The Permittee shall install, maintain, and operate a system to continuously monitor and record the boiler operating load (fuel feed rate or steam generation rate). Operating load data (fuel feed rate or steam generation rate) must be collected at least every 15 minutes, and the data must be reduced to 30-day rolling averages [40 CFR 63.11222(a) and Table 7 to 40 CFR 63 Subpart JJJJJ]

- 5.2.5 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[40 CFR 60.44b and 391-3-1-.02(6)(b)1]
- a. The amount of biodiesel fuel burned in the boiler (Source Code: B1) on a daily basis, as well as calculate the total amount of biodiesel fuel burned on a monthly basis and the annual capacity factor for biodiesel. The annual capacity factor shall be determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Records shall be available for inspection by or submission to the Division upon request.
 - b. The amount of clean cellulosic biomass fuel burned in the boiler (Source Code: B1) on a daily basis, as well as calculate the total amount of clean cellulosic biomass fuel burned on a monthly basis. Records shall be available for inspection by or submission to the Division upon request.
- 5.2.6 The Permittee shall install, calibrate, maintain, and operate a non-resettable continuous monitoring system (or device) for the emergency generator (Source Code: EG1) to track the hours operated during emergency service and the hours of operation in non-emergency service (maintenance and/or testing), to record the reason the engine was in operation during those times, and to record the cumulative total hours of operation. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[40 CFR 60.42.09(a), 391-3-1-.02(6)(b)1(i), and 40 CFR 70.6(a)(3)(i)]
- 5.2.7 The Permittee shall perform a check of visible emissions from all silo vent filters and from other point sources added or replaced in accordance with this permit and Rule 391-3-1-.02(6). Emission units monitored using COMS are exempt from this condition. The Permittee shall retain a record of the daily visible emissions (VE) log suitable for inspection and submittal, unless there is no VE for 7 consecutive days. The check shall be conducted at least once for each day or portion of each day of operation using procedures a through d below except when atmospheric condition or sun positioning prevent any opportunity to perform the daily VE check. Any operational day when atmospheric conditions or sun position prevent a daily reading shall be reported as monitor downtime in the report required by Condition 6.1.4. If there is no VE for 7 consecutive days, monitoring may be recorded on a weekly basis. If VE is observed during a weekly observation, daily VE shall be recorded until no VE is observed for 7 consecutive days.
[391-3-1-.02(6)(b)1]
- a. Determine, in accordance with the procedures specified in paragraph d 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 or c of this condition.

Title V Permit

- b. For each source determined to be emitting visible emissions, the Permittee shall determine whether the emissions equal or exceed the opacity action level using the procedure specified in paragraph d of this condition, except that the person performing the determination shall have received additional training acceptable to the Division to recognize the appropriate opacity level and the determination shall cover a period of six minutes. The opacity action level is 20 percent. The results shall be recorded in the daily (VE) log. For sources that exhibit visible emissions of greater than or equal to the opacity action level, the Permittee shall comply with paragraph c of this condition.
- c. For each source that requires action in accordance with paragraphs a or b of this condition, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible.
- d. 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.

5.2.8 The following pollutant specific emission unit(s) (PSEU) is subject to the Compliance Assurance Monitoring (CAM) Rule in 40 CFR 64.

Emission Unit	Pollutant
B1	PM

Permit conditions in this permit for the PSEU(s) listed above with regulatory citation 40 CFR 70.6(a)(3)(i) are included for the purpose of complying with 40 CFR 64. In addition, the Permittee shall meet the requirements, as applicable, of 40 CFR 64.7, 64.8, and 64.9. [40 CFR 64]

Title V Permit

- 5.2.9 The Permittee shall comply with the performance criteria listed in the table below for the PM emissions from the boiler (Source Code: B1).
[40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	Indicator No. 1 Opacity	Indicator No. 2 Pressure Drop
A. Data Representativeness [64.3(b)(1)]	Opacity is an indicator of particulate matter collection and equipment performance of the baghouse. (B1BH)	Pressure drop (inches of water) across each section of the baghouse. (B1BH)
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	Not Applicable.	The operational status will be verified within 60 days of permit issuance.
C. QA/QC Practices and Criteria [64.3(b)(3)]	Daily calibration drift checks as per 40 CFR 60.13 and performance evaluations per Appendix B, Specification 1 of 40 CFR Part 60.	Follow calibration and maintenance procedures recommended by the manufacturer
D. Monitoring Frequency [64.3(b)(4)]	The opacity is monitored continuously (at least once per 10-second period to yield 6-minute averages (40 CFR 60.13(e)).	Weekly
E. Data Collection Procedures [64.3(b)(4)]	Instantaneous opacity data sent to data acquisition system. Data is archived for at least 5 years.	Manually
F. Averaging Period [64.3(b)(4)]	6-minute average.	Not Applicable

PART 6.0 RECORD KEEPING AND REPORTING REQUIREMENTS

6.1 General Record Keeping and Reporting Requirements

- 6.1.1 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 to the EPA. The records shall be retained for at least five (5) years following the date of entry.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)]
- 6.1.2 In addition to any other reporting requirements of this Permit, the Permittee shall report to the Division in writing, within seven (7) days, any deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning, or emissions control equipment for a period of four hours or more which results in excessive emissions.

The Permittee shall submit a written report that shall contain the probable cause of the deviation(s), duration of the deviation(s), and any corrective actions or preventive measures taken.

[391-3-1-.02(6)(b)1(iv), 391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(iii)(B)]

- 6.1.3 The Permittee shall submit written reports of any failure to meet an applicable emission limitation or standard contained in this permit and/or any failure to comply with or complete a work practice standard or requirement contained in this permit which are not otherwise reported in accordance with Conditions 6.1.4 or 6.1.2. Such failures shall be determined through observation, data from any monitoring protocol, or by any other monitoring which is required by this permit. The reports shall cover each semiannual period ending June 30 and December 31 of each year, shall be postmarked by August 29 and February 28, respectively following each reporting period, and shall contain the probable cause of the failure(s), duration of the failure(s), and any corrective actions or preventive measures taken.
[391-3-1-.03(10)(d)1.(i) and 40 CFR 70.6(a)(3)(iii)(B)]
- 6.1.4 The Permittee shall submit a written report containing any excess emissions, exceedances, and/or excursions as described in this permit and any monitor malfunctions for each semiannual period ending June 30 and December 31 of each year. All reports shall be postmarked by August 29 and February 28, respectively following each reporting period. In the event that there have not been any excess emissions, exceedances, excursions or malfunctions during a reporting period, the report should so state. Otherwise, the contents of each report shall be as specified by the Division's Procedures for Testing and Monitoring Sources of Air Pollutants and shall contain the following:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)(A)]
- a. A summary report of excess emissions, exceedances and excursions, and monitor downtime, in accordance with Section 1.5(c) and (d) of the above referenced document, including any failure to follow required work practice procedures.
 - b. Total process operating time during each reporting period.
 - c. The magnitude of all excess emissions, exceedances and excursions computed in accordance with the applicable definitions as determined by the Director, and any conversion factors used, and the date and time of the commencement and completion of each time period of occurrence.
 - d. Specific identification of each period of such excess emissions, exceedances, and excursions that occur during startups, shutdowns, or malfunctions of the affected facility. Include the nature and cause of any malfunction (if known), the corrective action taken or preventive measures adopted.
 - e. The date and time identifying each period during which any required monitoring system or device was inoperative (including periods of malfunction) except for zero and span checks, and the nature of the repairs, adjustments, or replacement. When the monitoring system or device has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
 - f. Certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

- 6.1.5 Where applicable, the Permittee shall keep the following records:
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(ii)(A)]
- a. The date, place, and time of sampling or measurement;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;
 - d. The analytical techniques or methods used;
 - e. The results of such analyses; and
 - f. The operating conditions as existing at the time of sampling or measurement.
- 6.1.6 The Permittee shall maintain files of all required measurements, including continuous monitoring systems, monitoring devices, and performance testing measurements; all continuous monitoring system or monitoring device calibration checks; and adjustments and maintenance performed on these systems or devices. These files shall be kept in a permanent form suitable for inspection and shall be maintained for a period of at least five (5) years following the date of such measurements, reports, maintenance and records.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6 (a)(3)(ii)(B)]
- 6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)]
- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)
 - i. None required to be reported in accordance with Condition 6.1.4.
 - b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)
 - i. Any twelve consecutive month total NO_x emissions from the entire facility that equals or exceeds 249 tons.
[Avoidance of 40 CFR 52.21]
 - ii. Any twelve consecutive month total CO emissions from the entire facility that equals or exceeds 249 tons.
[Avoidance of 40 CFR 52.21]

- iii. Any twelve consecutive month total any single hazardous air pollutant listed in Section 112 of the Clean Air Act emissions from the entire facility that equals or exceeds 10 tons.
[Avoidance of 40 CFR 63]
 - iv. Any twelve consecutive month total any combined hazardous air pollutants listed in Section 112 of the Clean Air Act emissions from the entire facility that equal or exceed 25 tons.
[Avoidance of 40 CFR 63]
 - v. Any period during which the biodiesel fuel usage combusted in the boiler (Source Code: B1) equals or exceeds the limits in Condition 3.3.4.
 - vi. Any period during PM emissions from the boiler (Source Code: B1) equals or exceeds the limits in Condition 3.3.6, except during period of startup and shutdown.
[40 CFR 63.11201(a) and (d), Table 1 of 40 CFR 63, Subpart JJJJJJ]
 - vii. Any period during opacity from the boiler (Source Code: B1) equals or exceeds the limits in Condition 3.3.7.
[40 CFR 63.11201(c) and (d), Table 3 of 40 CFR 63, Subpart JJJJJJ]
 - viii. Any period during which the sulfur content of the fuel oil combusted in emergency generator (Source Code: EG1) exceeds 0.0015 weight percent.
 - ix. Any consecutive twelve-month period in which the emergency generator (Source Code: EG1) equals or exceeds 200 hours operation.
 - x. Any consecutive twelve-month period in which the emergency generator (Source Code: EG1) accumulated non-emergency service (maintenance checks and readiness testing) time exceeds 100 hours.
- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)
- i. None required to be reported in accordance with Condition 6.1.4.

6.2 Specific Record Keeping and Reporting Requirements

- 6.2.1 The Permittee shall provide all notifications as required per 40 CFR 60.7 and 40 CFR 63.9 by the dates specified. Specifically, the Permittee shall provide notifications of:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- a. The anticipated date of performance testing, including CERMS and COMS performance evaluations, at least 60 days before performance testing is scheduled to begin.

Title V Permit

- 6.2.2 The Permittee shall submit a written report for each quarterly period ending March 31, June 30, September 30, and December 31 of each year that contains the following:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- a. A summary of opacity exceedances and COMS downtime during the reporting period. For the purposes of this condition, an opacity exceedance is defined as any 6-minute average opacity that exceeds the limits set forth in Condition 3.3.2.b;
 - b. Total boiler operating time for the calendar month in the reporting period;
 - c. The magnitude of all opacity exceedances and the date and time of the commencement and completion of each period of occurrence;
 - d. Specific identification of each period of such exceedances occurring during startups, shutdowns, or malfunction of the facility. Include the nature and cause of any malfunction (if known) and any corrective action taken or preventive measures adopted;
 - e. The date and time identifying each period during which the COMS was inoperative (including periods of malfunction), except for zero and span checks, and the nature of the repairs, adjustments, or replacement. When the COMS has not been inoperative, repaired, or adjusted, this shall be stated in the report; and
 - f. The type and amount of fuel burned during the reporting period.

All quarterly reports shall be submitted in a manner suitable to the Division and postmarked by the 60th day following the end of each reporting period, May 30, August 29, November 29, and February 28, respectively.

- 6.2.3 The Permittee shall submit a written report for each semiannual period ending June 30, and December 31 of each year that contains the following:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- a. A summary of nitrogen oxides and carbon monoxide CERMS downtime during the reporting period;
 - b. The total operating time and the types and amounts of fuels fired in the boiler (Source Code: B1) during the reporting period;
 - c. The calculated monthly and consecutive 12-month rolling totals for carbon monoxide (CO) and nitrogen oxides (NO_x) emissions, for each month of the reporting period;
 - d. The magnitude of all exceedances and excursions and the date and time of the commencement and completion of the occurrence of each exceedance and excursion.
 - e. Identification of each period of such exceedances and excursions occurring during startups, shutdowns, or malfunctions of the facility. Include the nature and cause of

Title V Permit

any malfunction (if known) and any corrective actions taken or preventive measures adopted;

- f. The date and time of each period during which any required monitoring system or device was inoperative (including periods of malfunction), except for zero and span checks, and the nature of the repairs, adjustments, or replacement needed to make the system operational. When a monitoring system or device has not been inoperative, repaired, or adjusted, this shall be stated in the report.
- g. Certification that the biodiesel fuel burned in the boiler (Source Code: B1) comply with the requirements of Condition 3.3.3; and
- h. The calculated annual capacity factor for the biodiesel fuel burned in the boiler (Source Code: B1) for the reporting period. The annual capacity factor shall be determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

All semiannual reports shall be submitted in a manner suitable to the Division and postmarked by the 60th day following the end of each semiannual period, August 29 and February 28, respectively.

Title V Permit

- 6.2.4 The Permittee shall maintain monthly records of the operation of the emergency generator (Source Code: EG1) in emergency and non-emergency service, as recorded on the non-resettable hour meter required in Condition 5.2.6. The Permittee shall record the time of operation of the engine and the reason the engine was in operation during that time. Records shall be maintained for a period of five (5) years in a format suitable for inspection by or submission to the Division.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 6.2.5 The Permittee shall demonstrate compliance with Condition 3.3.8 for the emergency generator (Source Code: EG1) by purchasing a certified engine. The engine shall be installed and configured according to the manufacturer's specifications. Records shall be maintained for a period of five (5) years in a format suitable for inspection by or submission to the Division.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 6.2.6 The Permittee shall use the data from the CERMS required by Condition 5.2.1. to determine and record the monthly mass emission rate, in tons per month, of NO_x and CO from the Boiler Stack. These records (including calculations) shall be maintained as part of the monthly record suitable for inspection or submittal.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 6.2.7 The Permittee shall use the following equations to calculate monthly mass emission rate, in tons per month, of NO_x and CO from the boiler (Source Code: B1), emergency generator (Source Code: EG1), and the entire facility. All calculations shall be kept as part of the monthly record. These records shall be kept available for inspection by or submittal to the Division for five years from the date of record.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Calculation of monthly NO_x and CO Emissions from the boiler.

NO_x = Monthly Emissions from the NO_x CERMS per Condition 6.2.6

CO = Monthly Emissions from the CO CERMS per Condition 6.2.6

b. Calculation of monthly NO_x and CO emissions from the listed ancillary equipment as follows: The enumerated list of ancillary equipment in this paragraph is intended to be inclusive of the operations at the facility, but if the Permittee or the Division determines that other sources of NO_x and CO exist at the facility but are not identified below, those other sources shall be included in the required summaries and report specified in this Permit,

- i. NO_x and CO emissions from the emergency generator (Source Code: EG1) shall be calculated using the NO_x emission factor of 5.80 g/hp-hr and CO emission factor of 0.57 g/hp-hr or using the emission factors from AP-42, Section 3.4, Table 3.4-1 and actual hours of operation per month (as recorded per Condition 6.2.4).

Title V Permit

- c. Total NO_x and CO emitted each month shall be calculated by adding the individual NO_x and CO emissions from a. and b. during the month.

If at any time, the Division or the Permittee determines that other sources of NO_x and CO emissions exist at the facility that are not included in Condition 6.2.7, those sources shall immediately be included in the required summaries and reports specified in this Permit using NO_x and CO emission estimating or measuring methods approved by the Division.

6.2.8 The Permittee shall maintain the following records from the boiler (Source Code: B1) as specified in 40 CFR 63.11225(c):
[40 CFR 63.11225(c)]

- a. As required in 40 CFR 63.10(b)(2)(xiv), the Permittee must keep a copy of each notification and report that is submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted.
- b. The Permittee must keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR 63.11214 as specified:
 - i. Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.
 - ii. Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to, a description of the fuel, including whether the fuel has received a non-waste determination by the Permittee or EPA, and the total fuel usage amount with units of measure.
- c. Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.
- d. Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

6.2.9 The Permittee shall submit the following notifications from the boiler (Source Code: B1) as specified in 40 CFR 63.11225(a):
[40 CFR 63.11225(a)]

- a. The Permittee must submit all of the notifications in 40 CFR 63.7(b); 63.8(e) and (f); 63.9(b) through (e); and 63.9(g) and (h) that apply.
- b. If the Permittee is required to conduct a performance stack test, the Permittee must submit a Notification of Intent to conduct a performance test at least 60 days before the performance stack test is scheduled to begin.

- c. If the Permittee is using data from a previously conducted emission test to serve as documentation of conformance with the emission standards and operating limits of this subpart consistent with 40 CFR 63.7(e)(2)(iv), the Permittee must submit the test data in lieu of the initial performance test results with the Notification of Compliance Status.

6.2.10 The Permittee shall prepare, by March 1 of each year, and submit to the Division, an annual compliance certification report for the previous calendar year containing the information specified in 40 CFR 63.11225(b) for the boiler (Source Code: B1). For boilers that are subject only to the requirement to conduct a 5-year tune-up and not subject to any emission limits or operating limits, the Permittee may prepare only a 5-year compliance report as described by 40 CFR 63.11225(b)(1) and (2). The report shall include the following:
[40 CFR 63.11225(b)]

- a. Company name and address.
- b. Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. Your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:
 - i. This facility complies with the requirements in 40 CFR 63.11223 to conduct a 5-year tune-up of the boiler (Source Code: B1).
 - ii. For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."
 - iii. This facility complies with the requirement in 40 CFR 63.11214(d) and 40 CFR 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available.
- c. If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.
- d. The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by you or EPA through a petition process to be a non-waste under 40 CFR 241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary

materials within the meaning of 40 CFR 241.3, and the total fuel usage amount with units of measure.

- 6.2.11 Within 60 days of completing each performance test, as defined in 40 CFR 63.2, conducted to demonstrate compliance with 40 CFR 63, Subpart JJJJJ from the boiler (Source Code: B1), the Permittee shall submit relative accuracy test audit (i.e., reference method) data and performance test (i.e., compliance test) data, except opacity data, electronically to EPA's Central Data Exchange (CDX) by using the Electronic Reporting Tool (ERT) (*see http://www.epa.gov/ttn/chief/ert/ert_tool.html/*) or other compatible electronic spreadsheet. Only data collected using test methods compatible with ERT are subject to this requirement to be submitted electronically into EPA's WebFIRE database.
[40 CFR 63.11225(e)]
- 6.2.12 The Permittee shall retain the following records regarding biodiesel fuel fired in the boiler (Source Code: B1):
- a. Records verifying that each shipment of biodiesel fuel received for firing in the boiler (Source Code: B1) at the facility complies with the applicable requirements in Condition 3.3.3. Verification shall consist of the fuel oil receipts and/or fuel supplier certifications, or results of analyses of the fuel oils conducted by methods of sampling and analysis, which have been specified or approved, by the EPA or the Division.
 - b. Monthly records of the quantity of biodiesel fuel fired in the boiler (Source Code: B1) each month and during 12 consecutive months to verify compliance with the applicable requirements in Condition 3.3.4.

These records shall be kept available for inspection or submittal for five (5) years from the date of record.

[40 CFR 60.41b and 391-3-1-.02(6)(b)1]

- 6.2.13 The Permittee shall keep records verifying that each shipment of biomass fuel received for combustion in the boiler (Source Code: B1) meets the definition of clean cellulosic biomass in Condition 3.4.6. The Permittee shall retain the records for a period of at least five (5) years in a format suitable for inspection.
[391-3-1-.02(6)(b)1]
- 6.2.14 The Permittee shall use the following equations to calculate the monthly HCl, other individual HAPs, and Total HAP emissions from the boiler (Source Code: B1), emergency generator (Source Code: EG1), and the entire facility. All calculations shall be kept as part of the monthly record. These records shall be kept available for inspection by or submittal to the Division for five years from the date of record.
[391-3-1-.02(6)(b)1]

- c. Calculation of monthly HAP Emissions (including HCl) from the boiler.

$$\text{HAP}_i = (\text{EF}_i) (\text{R}) (\text{Operating Hours}) / (2000 \text{ lb/ton})$$

Where,

Title V Permit

HAP_i = Monthly individual HAP emissions from the boiler in tons.

EF_i = Emission Factor for HAP_i in lbs/MMBtu as approved by the Division based on NCASI or AP-42 emission factors. The HCl Emission Factor in lbs/MMBtu is based on the most recently approved stack test in Condition 4.2.3 (currently 0.00006 lb/MMBtu HCl based on June 26, 2013 stack test).

R = Rated Heat Input capacity (MMBtu/hr) for the boiler.

Operating Hours = Monthly hours of operation for the boiler.

- d. Calculation of monthly HAP emissions from the listed ancillary equipment as follows: The enumerated list of ancillary equipment in this paragraph is intended to be inclusive of the operations at the facility, but if the Permittee or the Division determines that other sources of HAP exist at the facility but are not identified below, those other sources shall be included in the required summaries and report specified in this Permit,
 - i. HAP emissions from the emergency generator (Source Code: EG1) shall be calculated using emission factors from AP-42, Section 3.4, Table 3.4-3, actual hours of operation per month (as recorded per Condition 6.2.4) and the emergency generator's rated heat input,
- e. Total HAPs emitted each month shall be calculated by adding the individual HAP emissions from a. and b. during the month.

If at any time, the Division or the Permittee determines that other "de minimis" source of HAP emissions exist at the facility that are not included in Condition 6.2.14, those other "de minimis" sources shall immediately be included in the required summaries and reports specified in this Permit using HAP emission estimating or measuring methods approved by the Division.

- 6.2.15 The Permittee shall use the records required in Condition 6.2.14 to determine the total monthly emissions of combined hazardous air pollutants and the total monthly emissions of each hazardous air pollutant from the entire facility. All calculations, including any Division-approved emission factor and control efficiency, shall be maintained as part of the monthly record suitable for inspection or submittal. 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 applicable emissions limit in Condition 3.2.2.

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

- 6.2.16 The Permittee shall use the records required in Condition 6.2.7 to determine and record the twelve consecutive month total emission rate, in tons, of NO_x and CO emissions from the

Title V Permit

entire facility. All calculations, including any Division-approved emission factor and control efficiency, shall be maintained as part of the monthly record suitable for inspection or submittal. The Permittee shall notify the Division in writing if emissions of NO_x or CO exceed 20.75 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 applicable emissions limit in Condition 3.2.1.

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

PART 7.0 OTHER SPECIFIC REQUIREMENTS**7.1 Operational Flexibility**

7.1.1 The Permittee may make Section 502(b)(10) changes as defined in 40 CFR 70.2 without requiring a Permit revision, if the changes are not modifications under any provisions of Title I of the Federal Act and the changes do not exceed the emissions allowable under the Permit (whether expressed therein as a rate of emissions or in terms of total emissions). For each such change, the Permittee shall provide the Division and the EPA with written notification as required below in advance of the proposed changes and shall obtain any Permits required under Rules 391-3-1-.03(1) and (2). The Permittee and the Division shall attach each such notice to their copy of this Permit.
[391-3-1-.03(10)(b)5 and 40 CFR 70.4(b)(12)(i)]

- a. For each such change, the Permittee's written notification and application for a construction Permit shall be submitted well in advance of any critical date (typically at least 3 months in advance of any commencement of construction, Permit issuance date, etc.) involved in the change, but no less than seven (7) days in advance of such change and shall include a brief description of the change within the Permitted facility, the date on which the change is proposed to occur, any change in emissions, and any Permit term or condition that is no longer applicable as a result of the change.
- b. The Permit shield described in Condition 8.16.1 shall not apply to any change made pursuant to this condition.

7.2 Off-Permit Changes

7.2.1 The Permittee may make changes that are not addressed or prohibited by this Permit, other than those described in Condition 7.2.2 below, without a Permit revision, provided the following requirements are met:
[391-3-1-.03(10)(b)6 and 40 CFR 70.4(b)(14)]

- a. Each such change shall meet all applicable requirements and shall not violate any existing Permit term or condition.
- b. The Permittee must provide contemporaneous written notice to the Division and to the EPA of each such change, except for changes that qualify as insignificant under Rule 391-3-1-.03(10)(g). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
- c. The change shall not qualify for the Permit shield in Condition 8.16.1.
- d. The Permittee shall keep a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the Permit, and the emissions resulting from those changes.

7.2.2 The Permittee shall not make, without a Permit revision, any changes that are not addressed or prohibited by this Permit, if such changes are subject to any requirements under Title IV of the Federal Act or are modifications under any provision of Title I of the Federal Act.
[Rule 391-3-1-.03(10)(b)7 and 40 CFR 70.4(b)(15)]

7.3 Alternative Requirements

[White Paper #2]

None Applicable.

7.4 Insignificant Activities

(see Attachment B for the list of Insignificant Activities in existence at the facility at the time of permit issuance)

7.5 Temporary Sources

[391-3-1-.03(10)(d)5 and 40 CFR 70.6(e)]

None Applicable.

7.6 Short-term Activities

(see Form D5 “Short Term Activities” of the Permit application and White Paper #1)

7.6.1 The Permittee shall maintain records of the duration and frequency of the following Short-Term Activities:

- a. Painting for maintenance purposes in accordance with Georgia Rule 391-3-1-.02(6)(b).
- b. Sandblasting for maintenance purposes in accordance with Georgia Rule 391-3-1-.02(2)(n).

7.7 Compliance Schedule/Progress Reports

[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(4)]

None Applicable.

7.8 Emissions Trading

[391-3-1-.03(10)(d)1(ii) and 40 CFR 70.6(a)(10)]

None Applicable.

7.9 Acid Rain Requirements

7.9.1 None Applicable.

7.10 Prevention of Accidental Releases (Section 112(r) of the 1990 CAAA)
[391-3-1-.02(10)]

- 7.10.1 When and if the requirements of 40 CFR Part 68 become applicable, the Permittee shall comply with all applicable requirements of 40 CFR Part 68, including the following.
- a. The Permittee shall submit a Risk Management Plan (RMP) as provided in 40 CFR 68.150 through 68.185. The RMP shall include a registration that reflects all covered processes.
 - b. For processes eligible for Program 1, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a. and the following additional requirements:
 - i. Analyze the worst-case release scenario for the process(es), as provided in 40 CFR 68.25; document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 40 CFR 68.22(a); and submit in the RMP the worst-case release scenario as provided in 40 CFR 68.165.
 - ii. Complete the five-year accident history for the process as provided in 40 CFR 68.42 and submit in the RMP as provided in 40 CFR 68.168
 - iii. Ensure that response actions have been coordinated with local emergency planning and response agencies
 - iv. Include a certification in the RMP as specified in 40 CFR 68.12(b)(4)
 - c. For processes subject to Program 2, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:
 - i. Develop and implement a management system as provided in 40 CFR 68.15
 - ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
 - iii. Implement the Program 2 prevention steps provided in 40 CFR 68.48 through 68.60 or implement the Program 3 prevention steps provided in 40 CFR 68.65 through 68.87
 - iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
 - v. Submit as part of the RMP the data on prevention program elements for Program 2 processes as provided in 40 CFR 68.170
 - d. For processes subject to Program 3, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:
 - i. Develop and implement a management system as provided in 40 CFR 68.15
 - ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
 - iii. Implement the prevention requirements of 40 CFR 68.65 through 68.87
 - iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
 - v. Submit as part of the RMP the data on prevention program elements for Program 3 as provided in 40 CFR 68.175

- e. All reports and notification required by 40 CFR Part 68 must be submitted electronically using RMP*eSubmit (information for establishing an account can be found at www.epa.gov/emergencies/content/rmp/rmp_esubmit.htm). Electronic Signature Agreements should be mailed to:

MAIL

**Risk Management Program (RMP) Reporting Center
P.O. Box 10162
Fairfax, VA 22038**

COURIER & FEDEX

**Risk Management Program (RMP) Reporting Center
CGI Federal
12601 Fair Lakes Circle
Fairfax, VA 22033**

Compliance with all requirements of this condition, including the registration and submission of the RMP, shall be included as part of the compliance certification submitted in accordance with Condition 8.14.1.

7.11 Stratospheric Ozone Protection Requirements (Title VI of the CAAA of 1990)

- 7.11.1 If the Permittee performs any of the activities described below or as otherwise defined in 40 CFR Part 82, the Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliance must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to 40 CFR 82.166.
[Note: "MVAC-like appliance" is defined in 40 CFR 82.152.]
 - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.

Title V Permit

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

7.11.2 If the Permittee performs a service on motor (fleet) vehicles and if this service involves an ozone-depleting substance (refrigerant) in the MVAC, the Permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term “motor vehicle” as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term “MVAC” as used in Subpart B does not include air-tight sealed refrigeration systems used for refrigerated cargo, or air conditioning systems on passenger buses using HCFC-22 refrigerant.

7.12 Revocation of Existing Permits and Amendments

The following Air Quality Permits, Amendments, and 502(b)10 are subsumed by this permit and are hereby revoked:

Air Quality Permit and Amendment Number(s)	Dates of Original Permit or Amendment Issuance
4911-171-0014-E-01-0	September 17, 2008
4911-171-0014-E-01-1	February 16, 2010
4911-171-0014-E-01-2	April 26, 2012
4911-171-0014-E-01-3	September 11, 2012
4911-171-0014-E-01-4	October 21, 2013

7.13 Pollution Prevention

None Applicable.

7.14 Specific Conditions

None Applicable.

PART 8.0 GENERAL PROVISIONS**8.1 Terms and References**

- 8.1.1 Terms not otherwise defined in the Permit shall have the meaning assigned to such terms in the referenced regulation.
- 8.1.2 Where more than one condition in this Permit applies to an emission unit and/or the entire facility, each condition shall apply and the most stringent condition shall take precedence.
[391-3-1-.02(2)(a)2]

8.2 EPA Authorities

- 8.2.1 Except as identified as “State-only enforceable” requirements in this Permit, all terms and conditions contained herein shall be enforceable by the EPA and citizens under the Clean Air Act, as amended, 42 U.S.C. 7401, et seq.
[40 CFR 70.6(b)(1)]
- 8.2.2 Nothing in this Permit shall alter or affect the authority of the EPA to obtain information pursuant to 42 U.S.C. 7414, “Inspections, Monitoring, and Entry.”
[40 CFR 70.6(f)(3)(iv)]
- 8.2.3 Nothing in this Permit shall alter or affect the authority of the EPA to impose emergency orders pursuant to 42 U.S.C. 7603, “Emergency Powers.”
[40 CFR 70.6(f)(3)(i)]

8.3 Duty to Comply

- 8.3.1 The Permittee shall comply with all conditions of this operating Permit. Any Permit noncompliance constitutes a violation of the Federal Clean Air Act and the Georgia Air Quality Act and/or State rules and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application. Any noncompliance with a Permit condition specifically designated as enforceable only by the State constitutes a violation of the Georgia Air Quality Act and/or State rules only and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(i)]
- 8.3.2 The Permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the Permitted activity in order to maintain compliance with the conditions of this Permit.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(ii)]
- 8.3.3 Nothing in this Permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of Permit issuance.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(f)(3)(ii)]

- 8.3.4 Issuance of this Permit does not relieve the Permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Director or any other federal, state, or local agency.
[391-3-1-.03(10)(e)1(iv) and 40 CFR 70.7(a)(6)]

8.4 Fee Assessment and Payment

- 8.4.1 The Permittee shall calculate and pay an annual Permit fee to the Division. The amount of fee shall be determined each year in accordance with the “Procedures for Calculating Air Permit Fees.”
[391-3-1-.03(9)]

8.5 Permit Renewal and Expiration

- 8.5.1 This Permit shall remain in effect for five (5) years from the effective date. The Permit shall become null and void after the expiration date unless a timely and complete renewal application has been submitted to the Division at least six (6) months, but no more than eighteen (18) months prior to the expiration date of the Permit.
[391-3-1-.03(10)(d)1(i), (e)2, and (e)3(ii) and 40 CFR 70.5(a)(1)(iii)]
- 8.5.2 Permits being renewed are subject to the same procedural requirements, including those for public participation and affected State and EPA review, that apply to initial Permit issuance.
[391-3-1-.03(10)(e)3(i)]
- 8.5.3 Notwithstanding the provisions in 8.5.1 above, if the Division has received a timely and complete application for renewal, deemed it administratively complete, and failed to reissue the Permit for reasons other than cause, authorization to operate shall continue beyond the expiration date to the point of Permit modification, reissuance, or revocation.
[391-3-1-.03(10)(e)3(iii)]

8.6 Transfer of Ownership or Operation

- 8.6.1 This Permit is not transferable by the Permittee. Future owners and operators shall obtain a new Permit from the Director. The new Permit may be processed as an administrative amendment if no other change in this Permit is necessary, and provided that a written agreement containing a specific date for transfer of Permit responsibility coverage and liability between the current and new Permittee has been submitted to the Division at least thirty (30) days in advance of the transfer.
[391-3-1-.03(4)]

8.7 Property Rights

- 8.7.1 This Permit shall not convey property rights of any sort, or any exclusive privileges.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iv)]

8.8 Submissions

- 8.8.1 Reports, test data, monitoring data, notifications, annual certifications, and requests for revision and renewal shall be submitted to:

**Georgia Department of Natural Resources
Environmental Protection Division
Mountain District
P.O. Box 3250
Cartersville, Georgia 30120**

- 8.8.2 Any records, compliance certifications, and monitoring data required by the provisions in this Permit to be submitted to the EPA shall be sent to:

**Air and EPCRA Enforcement Branch – U. S. EPA Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303-3104**

- 8.8.3 Any application form, report, or compliance certification submitted pursuant to this Permit shall contain a certification by a responsible official of its truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
[391-3-1-.03(10)(c)2, 40 CFR 70.5(d) and 40 CFR 70.6(c)(1)]

- 8.8.4 Unless otherwise specified, all submissions under this permit shall be submitted to the Division only.

8.9 Duty to Provide Information

- 8.9.1 The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the Permit application, shall promptly submit such supplementary facts or corrected information to the Division.
[391-3-1-.03(10)(c)5]

- 8.9.2 The Permittee shall furnish to the Division, in writing, information that the Division may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall also furnish to the Division copies of records that the Permittee is required to keep by this Permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the EPA, if necessary, along with a claim of confidentiality.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(v)]

8.10 Modifications

- 8.10.1 Prior to any source commencing a modification as defined in 391-3-1-.01(pp) that may result in air pollution and not exempted by 391-3-1-.03(6), the Permittee shall submit a Permit application to the Division. The 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. Such application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity of the plant before and after the change, and the anticipated completion date of the change. The application shall be in the form of a Georgia air quality Permit application to construct or modify (otherwise known as a SIP application) and shall be submitted on forms supplied by the Division, unless otherwise notified by the Division.
[391-3-1-.03(1) through (8)]

8.11 Permit Revision, Revocation, Reopening and Termination

- 8.11.1 This Permit may be revised, revoked, reopened and reissued, or terminated for cause by the Director. The Permit will be reopened for cause and revised accordingly under the following circumstances:
[391-3-1-.03(10)(d)1(i)]
- a. If additional applicable requirements become applicable to the source and the remaining Permit term is three (3) or more years. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if the effective date of the requirement is later than the date on which the Permit is due to expire, unless the original permit or any of its terms and conditions has been extended under Condition 8.5.3;
[391-3-1-.03(10)(e)6(i)(I)]
 - b. If any additional applicable requirements of the Acid Rain Program become applicable to the source;
[391-3-1-.03(10)(e)6(i)(II)] (Acid Rain sources only)
 - c. The Director determines that the Permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Permit; or
[391-3-1-.03(10)(e)6(i)(III) and 40 CFR 70.7(f)(1)(iii)]
 - d. The Director determines that the Permit must be revised or revoked to assure compliance with the applicable requirements.
[391-3-1-.03(10)(e)6(i)(IV) and 40 CFR 70.7(f)(1)(iv)]
- 8.11.2 Proceedings to reopen and reissue a Permit shall follow the same procedures as applicable to initial Permit issuance and shall affect only those parts of the Permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable.
[391-3-1-.03(10)(e)6(ii)]

- 8.11.3 Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Director at least thirty (30) days in advance of the date the Permit is to be reopened, except that the Director may provide a shorter time period in the case of an emergency.
[391-3-1-.03(10)(e)6(iii)]
- 8.11.4 All Permit conditions remain in effect until such time as the Director takes final action. The filing of a request by the Permittee for any Permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance, shall not stay any Permit condition.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iii)]
- 8.11.5 A Permit revision shall not be required for changes that are explicitly authorized by the conditions of this Permit.
- 8.11.6 A Permit revision shall not be required for changes that are part of an approved economic incentive, marketable Permit, emission trading, or other similar program or process for change which is specifically provided for in this Permit.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(8)]

8.12 Severability

- 8.12.1 Any condition or portion of this Permit which is challenged, becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this Permit.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(5)]

8.13 Excess Emissions Due to an Emergency

- 8.13.1 An “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the Permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(1)]
- 8.13.2 An emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the Permittee demonstrates, through properly signed contemporaneous operating logs or other relevant evidence, that:
 - a. An emergency occurred and the Permittee can identify the cause(s) of the emergency;

- b. The Permitted facility was at the time of the emergency being properly operated;
- c. During the period of the emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in the Permit; and
- d. The Permittee promptly notified the Division and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

8.13.3 In an enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency shall have the burden of proof.
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(4)]

8.13.4 The emergency conditions listed above are in addition to any emergency or upset provisions contained in any applicable requirement.
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(5)]

8.14 Compliance Requirements

8.14.1 Compliance Certification

The Permittee shall provide written certification to the Division and to the EPA, at least annually, of compliance with the conditions of this Permit. The annual written certification shall be postmarked no later than February 28 of each year and shall be submitted to the Division and to the EPA. The certification shall include, but not be limited to, the following elements:
[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(5)]

- a. The identification of each term or condition of the Permit that is the basis of the certification;
- b. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent, based on the method or means designated in paragraph c below. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred;
- c. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period;

- d. Any other information that must be included to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information; and
- e. Any additional requirements specified by the Division.

8.14.2 Inspection and Entry

- a. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Division to perform the following:
[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(2)]
 - i. Enter upon the Permittee's premises where a Part 70 source is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this Permit;
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this Permit; and
 - iv. Sample or monitor any substances or parameters at any location during operating hours for the purpose of assuring Permit compliance or compliance with applicable requirements as authorized by the Georgia Air Quality Act.
- b. No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for Permit revocation and assessment of civil penalties.
[391-3-1-.07 and 40 CFR 70.11(a)(3)(i)]

8.14.3 Schedule of Compliance

- a. For applicable requirements with which the Permittee is in compliance, the Permittee shall continue to comply with those requirements.
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(A)]
- b. For applicable requirements that become effective during the Permit term, the Permittee shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement.
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(B)]
- c. Any schedule of compliance for applicable requirements with which the source is not in compliance at the time of Permit issuance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(C)]

8.14.4 Excess Emissions

- a. Excess emissions resulting from startup, shutdown, or malfunction of any source which occur though ordinary diligence is employed shall be allowed provided that:
[391-3-1-.02(2)(a)7(i)]
 - i. The best operational practices to minimize emissions are adhered to;
 - ii. All associated air pollution control equipment is operated in a manner consistent with good air pollution control practice for minimizing emissions; and
 - iii. The duration of excess emissions is minimized.
- b. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction are prohibited and are violations of Chapter 391-3-1 of the Georgia Rules for Air Quality Control.
[391-3-1-.02(2)(a)7(ii)]
- c. The provisions of this condition and Georgia Rule 391-3-1-.02(2)(a)7 shall apply only to those sources which are not subject to any requirement under Georgia Rule 391-3-1-.02(8) – New Source Performance Standards or any requirement of 40 CFR, Part 60, as amended concerning New Source Performance Standards.
[391-3-1-.02(2)(a)7(iii)]

8.15 Circumvention

State Only Enforceable Condition

- 8.15.1 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 which is based on the concentration of the pollutants in the gases discharged into the atmosphere.
[391-3-1-.03(2)(c)]

8.16 Permit Shield

- 8.16.1 Compliance with the terms of this Permit shall be deemed compliance with all applicable requirements as of the date of Permit issuance provided that all applicable requirements are included and specifically identified in the Permit.
[391-3-1-.03(10)(d)6]
- 8.16.2 Any Permit condition identified as “State only enforceable” does not have a Permit shield.

8.17 Operational Practices

- 8.17.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate the 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 any information available to the Division that may include, but is not limited to, monitoring results, observations of the opacity or other characteristics of emissions, review of operating and maintenance procedures or records, and inspection or surveillance of the source.
[391-3-1-.02(2)(a)10]

State Only Enforceable Condition

- 8.17.2 No person owning, leasing, or controlling, the operation of any air contaminant sources shall willfully, negligently or through failure to provide necessary equipment or facilities or to take necessary precautions, cause, permit, or allow the emission from said air contamination source or sources, of such quantities of air contaminants as will cause, or tend to cause, by themselves, or in conjunction with other air contaminants, a condition of air pollution in quantities or characteristics or of a duration which is injurious or which unreasonably interferes with the enjoyment of life or use of property in such area of the State as is affected thereby. Complying with Georgia's Rules for Air Quality Control Chapter 391-3-1 and Conditions in this Permit, shall in no way exempt a person from this provision.
[391-3-1-.02(2)(a)1]

8.18 Visible Emissions

- 8.18.1 Except as may be provided in other provisions of this Permit, 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.
[391-3-1-.02(2)(b)1]

8.19 Fuel-burning Equipment

- 8.19.1 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, in operation or under construction on or before January 1, 1972 in amounts equal to or exceeding 0.7 pounds per million BTU heat input.
[391-3-1-.02(2)(d)]
- 8.19.2 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, constructed after January 1, 1972 in amounts equal to or exceeding 0.5 pounds per million BTU heat input.
[391-3-1-.02(2)(d)]

- 8.19.3 The Permittee shall not cause, let, suffer, permit, or allow the emission from any fuel-burning equipment constructed or extensively modified after January 1, 1972, visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
[391-3-1-.02(2)(d)]

8.20 Sulfur Dioxide

- 8.20.1 Except as may be specified in other provisions of this Permit, the Permittee shall not burn fuel containing more than 2.5 percent sulfur, by weight, in any fuel burning source that has a heat input capacity below 100 million Btu's per hour.
[391-3-1-.02(2)(g)]

8.21 Particulate Emissions

- 8.21.1 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 shown below. Equipment in operation, or under construction contract, on or before July 2, 1968, shall be considered existing equipment. All other equipment put in operation or extensively altered after said date is to be considered new equipment.
[391-3-1-.02(2)(e)]

- a. The following equations shall be used to calculate the allowable rates of emission from new equipment:

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

- b. The following equation shall be used to calculate the allowable rates of emission from existing equipment:

$$E = 4.1P^{0.67}$$

In the above equations, E = emission rate in pounds per hour, and
P = process input weight rate in tons per hour.

8.22 Fugitive Dust

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

- 8.22.1 Except as may be specified in other provisions of this Permit, the Permittee shall take all reasonable precautions to prevent dust from any operation, process, handling, transportation or storage facility from becoming airborne. Reasonable precautions that could be taken to prevent dust from becoming airborne include, but are not limited to, the following:

- 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 dusts; and
- e. The prompt removal of earth or other material from paved streets onto which earth or other material has been deposited.

8.22.2 The opacity from any fugitive dust source shall not equal or exceed 20 percent.

8.23 Solvent Metal Cleaning

8.23.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, suffer, allow, or permit the operation of a cold cleaner degreaser unless the following requirements for control of emissions of the volatile organic compounds are satisfied:

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

- a. The degreaser shall be equipped with a cover to prevent escape of VOC during periods of non-use,
- b. The degreaser shall be equipped with a device to drain cleaned parts before removal from the unit,
- c. If the solvent volatility is 0.60 psi or greater measured at 100 °F, or if the solvent is heated above 120 °F, then one of the following control devices must be used:
 - i. The degreaser shall be equipped with a freeboard that gives a freeboard ratio of 0.7 or greater, or
 - ii. The degreaser shall be equipped with a water cover (solvent must be insoluble in and heavier than water), or
 - iii. The degreaser shall be equipped with a system of equivalent control, including but not limited to, a refrigerated chiller or carbon adsorption system.
- d. Any solvent spray utilized by the degreaser must be in the form of a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which will not cause excessive splashing, and

- e. All waste solvent from the degreaser shall be stored in covered containers and shall not be disposed of by such a method as to allow excessive evaporation into the atmosphere.

8.24 Incinerators

- 8.24.1 Except as specified in the section dealing with conical burners, no person shall cause, let, suffer, permit, or allow the emissions of fly ash and/or other particulate matter from any incinerator, in amounts equal to or exceeding the following:
[391-3-1-.02(2)(c)1-4]
 - a. Units with charging rates of 500 pounds per hour or less of combustible waste, including water, shall not emit fly ash and/or particulate matter in quantities exceeding 1.0 pound per hour.
 - b. Units with charging rates in excess of 500 pounds per hour of combustible waste, including water, shall not emit fly ash and/or particulate matter in excess of 0.20 pounds per 100 pounds of charge.
- 8.24.2 No person shall cause, let, suffer, permit, or allow from any incinerator, visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
- 8.24.3 No person shall cause or allow particles to be emitted from an incinerator which are individually large enough to be visible to the unaided eye.
- 8.24.4 No person shall operate an existing incinerator unless:
 - a. It is a multiple chamber incinerator;
 - b. It is equipped with an auxiliary burner in the primary chamber for the purpose of creating a pre-ignition temperature of 800°F; and
 - c. It has a secondary burner to control smoke and/or odors and maintain a temperature of at least 1500°F in the secondary chamber.

8.25 Volatile Organic Liquid Handling and Storage

- 8.25.1 The Permittee shall ensure that each storage tank subject to the requirements of Rule 391-3-1-.02(2)(vv) "Volatile Organic Liquid Handling and Storage" is equipped with submerged fill pipes. For the purposes of this condition and the permit, a submerged fill pipe is defined as any fill pipe with a discharge opening which is within six inches of the tank bottom.
[391-3-1-.02(2)(vv)(1)]

8.26 Use of Any Credible Evidence or Information

8.26.1 Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit, for the purpose of submission of compliance certifications or establishing whether or not a person has violated or is in violation of any emissions limitation or standard, nothing in this permit or any Emission Limitation or Standard to which it pertains, shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[391-3-1-.02(3)(a)]

8.27 Diesel-Fired Internal Combustion Engines

8.27.1 For diesel-fired internal combustion engine(s) manufactured after April 1, 2006 or modified/reconstructed after July 11, 2005, the Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - "General Provisions" and 40 CFR 60 Subpart III - "Standard of Performance for Stationary Compression Ignition Internal Combustion Engines." Such requirements include but are not limited to:

[40 CFR 60.4200, 391-3-1-.02(8)(b)77]

- a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart III.
- b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart III.
- c. Conduct engine maintenance prescribed by the engine manufacturer in accordance with Subpart III.
- d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart III. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as "emergency generators" for the purposes of Ga Rule 391-3-1-.02(2)(mmm).
- e. Maintain any records in accordance with Subpart III
- f. Maintain a list of engines subject to 40 CFR 60 Subpart III, including the date of manufacture.[391-3-1-.02(6)(b)]

8.27.2 The Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - "General Provisions" and 40 CFR 60 Subpart JJJJ - "Standard of Performance for Stationary Spark Ignition Internal Combustion Engines," for spark ignition internal combustion engines(s) (gasoline, natural gas, liquefied petroleum gas or propane-fired) manufactured after July 1, 2007 or modified/reconstructed after June 12, 2006.

[40 CFR 60.4230, 391-3-1-.02(8)(b)79]

- 8.27.3 The Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR 63 Subpart A - "General Provisions" and 40 CFR 63 Subpart ZZZZ - "National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines."

For diesel-fired emergency generator engines defined as "existing" in 40 CFR 63 Subpart ZZZZ (prior to June 12, 2006 for area sources of HAP, and prior to December 19, 2002 for major sources of HAP), such requirements include but are not limited to:
[40 CFR 63.6580, 391-3-1-.02(9)(b)118]

- a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart ZZZZ.
- b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart ZZZZ.
- c. Conduct the following in accordance with Subpart ZZZZ.
 - i. Change oil and filter every 500 hours of operation or annually, whichever comes first
 - ii. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first and replace as necessary
 - iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first and replace as necessary.
- d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart ZZZZ. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as "emergency generators" for the purposes of Ga Rule 391-3-1-.02(2)(mmm).
- e. Maintain any records in accordance with Subpart ZZZZ
- f. Maintain a list of engines subject to 40 CFR 63 Subpart ZZZZ, including the date of manufacture.[391-3-1-.02(6)(b)]

8.28 Boilers and Process Heaters

- 8.28.1 If the facility/site is an area source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - "General Provisions" and 40 CFR 63 Subpart JJJJJ - "National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers."
[40 CFR 63.11193]

Title V Permit

- 8.28.2 If the facility/site is a major source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - "General Provisions" and 40 CFR 63 Subpart DDDDD - "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters."
[40 CFR 63.7480]

Attachments

- A. List of Standard Abbreviations and List of Permit Specific Abbreviations
- B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups
- C. List of References

ATTACHMENT B

NOTE: Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Mobile Sources	1. Cleaning and sweeping of streets and paved surfaces	1
Combustion Equipment	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	0
	2. Small incinerators that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act and are not considered a "designated facility" as specified in 40 CFR 60.32e of the Federal emissions guidelines for Hospital/Medical/Infectious Waste Incinerators, that are operating as follows:	0
	i) Less than 8 million BTU/hr heat input, firing types 0, 1, 2, and/or 3 waste.	0
	ii) Less than 8 million BTU/hr heat input with no more than 10% pathological (type 4) waste by weight combined with types 0, 1, 2, and/or 3 waste.	0
	iii) Less than 4 million BTU/hr heat input firing type 4 waste. (Refer to 391-3-1-.03(10)(g)2.(ii) for descriptions of waste types)	0
	3. Open burning in compliance with Georgia Rule 391-3-1-.02 (5).	0
	4. Stationary engines burning:	0
	i) Natural gas, LPG, gasoline, dual fuel, or diesel fuel which are used exclusively as emergency generators shall not exceed 500 hours per year or 200 hours per year if subject to Georgia Rule 391-3-1-.02(2)(mmm).7	0
	ii) Natural gas, LPG, and/or diesel fueled generators used for emergency, peaking, and/or standby power generation, where the combined peaking and standby power generation do not exceed 200 hours per year.	0
	iii) Natural gas, LPG, and/or diesel fuel used for other purposes, provided that the output of each engine does not exceed 400 horsepower and that no individual engine operates for more than 2,000 hours per year.	0
iv) Gasoline used for other purposes, provided that the output of each engine does not exceed 100 horsepower and that no individual engine operates for more than 500 hours per year.	0	
Trade Operations	1. Brazing, soldering, and welding equipment, and cutting torches related to manufacturing and construction activities whose emissions of hazardous air pollutants (HAPs) fall below 1,000 pounds per year.	1
Maintenance, Cleaning, and Housekeeping	1. Blast-cleaning equipment using a suspension of abrasive in water and any exhaust system (or collector) serving them exclusively.	0
	2. Portable blast-cleaning equipment.	0
	3. Non-Perchloroethylene Dry-cleaning equipment with a capacity of 100 pounds per hour or less of clothes.	0
	4. Cold cleaners having an air/vapor interface of not more than 10 square feet and that do not use a halogenated solvent.	0
	5. Non-routine clean out of tanks and equipment for the purposes of worker entry or in preparation for maintenance or decommissioning.	1
	6. Devices used exclusively for cleaning metal parts or surfaces by burning off residual amounts of paint, varnish, or other foreign material, provided that such devices are equipped with afterburners.	0
	7. Cleaning operations: Alkaline phosphate cleaners and associated cleaners and burners.	0

Title V Permit

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Laboratories and Testing	1. Laboratory fume hoods and vents associated with bench-scale laboratory equipment used for physical or chemical analysis.	1
	2. Research and development facilities, quality control testing facilities and/or small pilot projects, where combined daily emissions from all operations are not individually major or are support facilities not making significant contributions to the product of a collocated major manufacturing facility.	0
Pollution Control	1. Sanitary waste water collection and treatment systems, except incineration equipment or equipment subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	2. On site soil or groundwater decontamination units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	3. Bioremediation operations units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	4. Landfills that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
Industrial Operations	1. Concrete block and brick plants, concrete products plants, and ready mix concrete plants producing less than 125,000 tons per year.	0
	2. Any of the following processes or process equipment which are electrically heated or which fire natural gas, LPG or distillate fuel oil at a maximum total heat input rate of not more than 5 million BTU's per hour:	0
	i) Furnaces for heat treating glass or metals, the use of which do not involve molten materials or oil-coated parts.	0
	ii) Porcelain enameling furnaces or porcelain enameling drying ovens.	0
	iii) Kilns for firing ceramic ware.	0
	iv) Crucible furnaces, pot furnaces, or induction melting and holding furnaces with a capacity of 1,000 pounds or less each, in which sweating or distilling is not conducted and in which fluxing is not conducted utilizing free chlorine, chloride or fluoride derivatives, or ammonium compounds.	0
	v) Bakery ovens and confection cookers.	0
	vi) Feed mill ovens.	0
	vii) Surface coating drying ovens	0
	3. Carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, shot blasting, shot peening, or polishing; ceramics, glass, leather, metals, plastics, rubber, concrete, paper stock or wood, also including roll grinding and ground wood pulping stone sharpening, provided that:	1
	i) Activity is performed indoors; &	
	ii) No significant fugitive particulate emissions enter the environment; &	
	iii) No visible emissions enter the outdoor atmosphere.	
4. Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy (e.g., blueprint activity, photographic developing and microfiche).	0	
5. Grain, food, or mineral extrusion processes	0	
6. Equipment used exclusively for sintering of glass or metals, but not including equipment used for sintering metal-bearing ores, metal scale, clay, fly ash, or metal compounds.	0	
7. Equipment for the mining and screening of uncrushed native sand and gravel.	0	
8. Ozonization process or process equipment.	0	
9. Electrostatic powder coating booths with an appropriately designed and operated particulate control system.	0	
10. Activities involving the application of hot melt adhesives where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	0	
11. Equipment used exclusively for the mixing and blending water-based adhesives and coatings at ambient temperatures.	0	
12. Equipment used for compression, molding and injection of plastics where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	0	
13. Ultraviolet curing processes where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	0	

Title V Permit

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Storage Tanks and Equipment	1. All petroleum liquid storage tanks storing a liquid with a true vapor pressure of equal to or less than 0.50 psia as stored.	0
	2. All petroleum liquid storage tanks with a capacity of less than 40,000 gallons storing a liquid with a true vapor pressure of equal to or less than 2.0 psia as stored that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	3. All petroleum liquid storage tanks with a capacity of less than 10,000 gallons storing a petroleum liquid.	3
	4. All pressurized vessels designed to operate in excess of 30 psig storing petroleum fuels that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	5. Gasoline storage and handling equipment at loading facilities handling less than 20,000 gallons per day or at vehicle dispensing facilities that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	8
	7. All chemical storage tanks used to store a chemical with a true vapor pressure of less than or equal to 10 millimeters of mercury (0.19 psia).	5

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity

Title V Permit

ATTACHMENT B (continued)

GENERIC EMISSION GROUPS

Emission units/activities appearing in the following table are subject only to one or more of Georgia Rules 391-3-1-.02 (2) (b), (e) &/or (n). Potential emissions of particulate matter, from these sources based on TSP, are less than 25 tons per year per process line or unit in each group. Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Emissions Units / Activities	Number of Units (if appropriate)	Applicable Rules		
		Opacity Rule (b)	PM from Mfg Process Rule (e)	Fugitive Dust Rule (n)
Cooling Tower	1	No	No	Yes
Fuel handling and Conveyance Equipment	1	No	No	Yes
Wood Hammer Mill	1	No	No	Yes
Limestone Storage Silo	1	No	Yes	Yes
Bed Sand Storage Tank	1	No	No	Yes

The following table includes groups of fuel burning equipment subject only to Georgia Rules 391-3-1-.02 (2) (b) & (d). Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Fuel Burning Equipment	Number of Units
Fuel burning equipment with a rated heat input capacity of less than 10 million BTU/hr burning only natural gas and/or LPG.	0
Fuel burning equipment with a rated heat input capacity of less than 5 million BTU/hr, burning only distillate fuel oil, natural gas and/or LPG.	0
Any fuel burning equipment with a rated heat input capacity of 1 million BTU/hr or less.	0

ATTACHMENT C**LIST OF REFERENCES**

1. The Georgia Rules for Air Quality Control Chapter 391-3-1. All Rules cited herein which begin with 391-3-1 are State Air Quality Rules.
2. Title 40 of the Code of Federal Regulations; specifically 40 CFR Parts 50, 51, 52, 60, 61, 63, 64, 68, 70, 72, 73, 75, 76 and 82. All rules cited with these parts are Federal Air Quality Rules.
3. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Testing and Monitoring Sources of Air Pollutants.*
4. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Calculating Air Permit Fees.*
5. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources. This information may be obtained from EPA's TTN web site at www.epa.gov/ttn/chief/ap42/index.html.
6. The latest properly functioning version of EPA's **TANKS** emission estimation software. The software may be obtained from EPA's TTN web site at www.epa.gov/ttn/chief/software/tanks/index.html.
7. The Clean Air Act (42 U.S.C. 7401 et seq).
8. White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995 (White Paper #1).
9. White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program, March 5, 1996 (White Paper #2).