

Part 70 Operating Permit

Permit Number: 9711-179-0018-V-02-0 **Effective Date:** October 20, 2009

Facility Name: Fort Stewart Hqs 3rd Infantry Division (Mechanized)

Facility Address: 1550 Frank Cochran Drive
Fort Stewart, Georgia 31314, Liberty County

Mailing Address: 1550 Frank Cochran Drive, Bldg. 1137
Fort Stewart, Georgia 31314

Parent/Holding Company: U.S. Department of Defense, U.S. Army

Facility AIRS Number: 04-13-179-00018

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 U.S. Army Military Base.

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-18012 signed on February 14, 2008, 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 **46** pages.

[Signed]

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.1 Site Determination

There are no applicable issues with regard to the 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

Fort Stewart Army Base

1.3 Overall Facility Process Description

Fort Stewart Hqs 3rd Infantry Division (Mechanized) (hereinafter “facility”) is an army base located in Liberty County, Georgia. This facility is the headquarters for the 3rd Mechanized Infantry Division of the United States Army. The facility houses approximately 20,000 military personnel and dependents, and 3,000 civilian personnel of the Infantry Division. Supporting activities include maneuver training, ordnance detonation and disposal, and equipment maintenance.

Emissions from stationary sources at this facility are due to support activities, which include fuel storage; equipment de-painting; spray-painting; and building heating.

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.

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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
H004	Heating Unit (Boiler) Bldg. 1412 140 MM Btu/hr Firing Wood 28.4 MM Btu/hr Firing Oil 0.52 MM Btu/hr Firing Natural Gas Installed in 1983	40 CFR Part 279.11 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)2.	3.2.1, 3.2.7, 3.4.2, 4.2.1, 5.2.1, 5.2.6, 5.2.7, 6.2.1, 6.2.2, 6.2.3, 6.2.9, 6.2.11	HC01	Venturi Scrubber
H008	Heating Unit (Boiler) Bldg. 350, 12.0 MM Btu/hr Installed in 1980	391-3-1-.02(2)(d) 391-3-1-.02(2)(g)2.	3.2.8, 3.4.2	None	None
H009	Heating Unit (Boiler) Bldg. 1412, 55.3 MM Btu/hr Installed in November 2003	40 CFR 60, Subpart A 40 CFR 60, Subpart Dc 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)2.	3.2.3, 3.2.4, 3.3.1, 3.3.2, 3.4.3, 4.2.3, 5.2.2, 6.2.7, 6.2.8, 6.2.11	None	None
H010	Central Energy Plant Boiler No. 2 55.3 MM Btu/hr Installed in February 2006	40 CFR 60, Subpart A 40 CFR 60, Subpart Dc 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)2.	3.2.3, 3.2.5, 3.2.6, 3.2.10, 3.3.1, 3.3.2, 3.4.3, 4.2.2, 4.2.3, 5.2.2, 6.2.7, 6.2.8, 6.2.11, 6.2.12, 6.2.13, 6.2.14, 6.2.15	None	None
H011	Central Energy Plant Boiler No. 3 55.3 MM Btu/hr Installed in February 2006	40 CFR 60, Subpart A 40 CFR 60, Subpart Dc 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)2.	3.2.3, 3.2.5, 3.2.6, 3.2.10, 3.3.1, 3.3.2, 3.4.3, 4.2.2, 4.2.3, 5.2.2, 6.2.7, 6.2.8, 6.2.11, 6.2.12, 6.2.13, 6.2.14, 6.2.15	None	None
G-172	Emergency Generator 35 kWe Constructed in 2006	40 CFR 60, Subpart A 40 CFR 60, Subpart IIII 40 CFR 63, Subpart A 40 CFR 63, Subpart ZZZZ Rule 391-3-1-.02(2)(b)1. Rule 391-3-1-.02(2)(g)2.	3.3.3 through 3.3.11, 3.4.1, 5.2.2, 6.2.16, 6.2.17, 6.2.18, 6.2.19, 6.2.20, 6.2.21	None	None
G-176	Emergency Generator 80 kWe Constructed in 2007	40 CFR 60, Subpart A 40 CFR 60, Subpart IIII 40 CFR 63, Subpart A 40 CFR 63, Subpart ZZZZ Rule 391-3-1-.02(2)(b)1. Rule 391-3-1-.02(2)(g)2.	3.3.3 through 3.3.11, 3.4.1, 5.2.2, 6.2.16, 6.2.17, 6.2.19, 6.2.20, 6.2.21	None	None
G-177	Emergency Generator 80 kWe Constructed in 2007	40 CFR 60, Subpart A 40 CFR 60, Subpart IIII 40 CFR 63, Subpart A 40 CFR 63, Subpart ZZZZ Rule 391-3-1-.02(2)(b)1. Rule 391-3-1-.02(2)(g)2.	3.3.3 through 3.3.11, 3.4.1, 5.2.2, 6.2.16, 6.2.17, 6.2.19, 6.2.20, 6.2.21	None	None

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Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
G-178	Emergency Generator 80 kWe Constructed in 2007	40 CFR 60, Subpart A 40 CFR 60, Subpart III 40 CFR 63, Subpart A 40 CFR 63, Subpart ZZZZ Rule 391-3-1-.02(2)(b)1. Rule 391-3-1-.02(2)(g)2.	3.3.3 through 3.3.11, 3.4.1, 5.2.2, 6.2.16, 6.2.17, 6.2.19, 6.2.20, 6.2.21	None	None
G-179	Emergency Generator 80 kWe Constructed in 2007	40 CFR 60, Subpart A 40 CFR 60, Subpart III 40 CFR 63, Subpart A 40 CFR 63, Subpart ZZZZ Rule 391-3-1-.02(2)(b)1. Rule 391-3-1-.02(2)(g)2.	3.3.3 through 3.3.11, 3.4.1, 5.2.2, 6.2.16, 6.2.17, 6.2.19, 6.2.20, 6.2.21	None	None
G-180	Emergency Generator 74 kWe Constructed in 2007	40 CFR 60, Subpart A 40 CFR 60, Subpart III 40 CFR 63, Subpart A 40 CFR 63, Subpart ZZZZ Rule 391-3-1-.02(2)(b)1. Rule 391-3-1-.02(2)(g)2.	3.3.3 through 3.3.11, 3.4.1, 5.2.2, 6.2.16, 6.2.17, 6.2.19, 6.2.20, 6.2.21	None	None
G-181	Emergency Generator 565 kWe Constructed in 2007	40 CFR 60, Subpart A 40 CFR 60, Subpart III 40 CFR 63, Subpart A 40 CFR 63, Subpart ZZZZ Rule 391-3-1-.02(2)(b)1. Rule 391-3-1-.02(2)(g)2.	3.3.3 through 3.3.11, 3.4.1, 5.2.2, 6.2.16, 6.2.17, 6.2.19, 6.2.20, 6.2.21	None	None
P001	Spray Painting Booth, DOR, Bldg 1073 Installed in 1993	391-3-1-.02(2)(b)1. 391-3-1-.02(2)(e)1.(i)	3.4.1, 3.4.4, 3.5.1, 5.2.3, 6.2.23	PC01	Dry Filtration System
N/A	Site Remediation	40 CFR 63, Subpart A 40 CFR 63, Subpart GGGGG	3.3.12, 6.2.24	None	None

* Generally applicable requirements contained in this permit may also apply to emission units listed above.

3.2 Equipment Emission Caps and Operating Limits

- 3.2.1 The Permittee shall not discharge or cause the discharge into the atmosphere from firing wood in the boiler with ID No. H004, carbon monoxide (CO) emissions equal to or in excess of 248 tons per any 12 consecutive month period.
[PSD Avoidance - 40 CFR Part 52.21]
- 3.2.2 [Reserved]
- 3.2.3 The Permittee shall not fire any fuel other than natural gas and/or distillate fuel oils in the boilers with ID Nos. H009, H010, and H011. Distillate fuel oils mean fuel oils that meet the specifications for fuel oil No. 1 or No. 2, as defined by the American Society for Testing and Materials in ASTM D396, "Standard Specification for Fuel Oils." In particular, distillate fuel oils shall not contain greater than 0.5% sulfur, by weight.
[PSD Avoidance - 40 CFR Part 52.21, 40 CFR 60.42c(d), and 391-3-1-.02(2)(g)2.(subsumed)]
- 3.2.4 The Permittee shall limit the total amount of distillate fuel oils combusted in the boiler with ID No. H009 to 1,000,000 gallons during any 12-consecutive calendar month period.
[PSD Avoidance - 40 CFR Part 52.21]

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- 3.2.5 The Permittee shall limit the total amount of distillate fuel oils combusted in the boilers with ID Nos. H010 and H011, combined, to 560,000 gallons during any 12-consecutive calendar month period.
[PSD Avoidance - 40 CFR Part 52.21]
- 3.2.6 The Permittee shall limit the total amount of natural gas combusted in the boilers with ID Nos. H010 and H011, combined, to 240 million standard cubic feet during any 12-consecutive calendar month period.
[PSD Avoidance - 40 CFR Part 52.21]
- 3.2.7 The Permittee shall not fire any fuel other than natural gas, distillate fuel oils, and/or wood in the boiler with ID No. H004.
[391-3-1-.03(2)(c) and 391-3-1-.02(g)2. (subsumed)]
- 3.2.8 The Permittee shall not fire any fuel other than natural gas or distillate fuel oils in the boiler with ID No. H008.
[391-3-1-.03(2)(c) and 391-3-1-.02(g)2. (subsumed)]
- 3.2.9 [Reserved]
- 3.2.10 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the boilers with ID Nos. H010 and H011, any gases which:
[391-3-1-.03(2)(c)]
- a. Contain particulate matter emissions in excess of 0.03 pound per million Btu heat input.
 - b. Contain hydrogen chloride emissions in excess of 0.0005 pound per million Btu heat input.
 - c. Contain carbon monoxide emissions in excess of 400 ppm by volume on a dry basis corrected to 3 percent oxygen.

3.3 Equipment Federal Rule Standards

- 3.3.1 The Permittee shall comply with all applicable provisions of the New Source Performance Standards (NSPS), 40 CFR Part 60, Subpart A – “General Provisions,” and Subpart Dc – “Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units,” for the operation of the boilers with ID Nos. H009, H010, and H011.
[40 CFR 60 Subparts A and Dc]
- 3.3.2 The Permittee shall not discharge or cause the discharge into the atmosphere from the boilers with ID Nos. H009, H010, and H011 any visible emissions, the opacity of which is equal to or greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.
[40 CFR 60.43c(c) and 391-3-1-.02(2)(d)3.]

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3.3.3 The Permittee shall comply with all applicable provisions of the New Source Performance Standards (NSPS), 40 CFR Part 60, Subpart A – “General Provisions,” and Subpart III – “Standards of Performance for Stationary Compression Ignition Internal Combustion Engines,” for the operation of the emergency generators with ID Nos. G-172 and G-176 thru G-181 and any emergency generators installed in the future.

[40 CFR 60 Subparts A and III]

3.3.4 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the emergency generator with ID No. G-172, any gases which contain in excess of the following:

[40 CFR 60.4205(a) and Table 1 of NSPS Subpart III]

ID No.	g/kW-hr (g/hp-hr)				
	NMHC+NO _x	HC	NO _x	CO	PM
G-172 (30 – 35 kWe)	9.5 (7.1)	N/A	N/A	5.5 (4.1)	0.80 (0.60)

NMHC = Non-methane Hydrocarbons

HC = Hydrocarbons

PM = Particulate Matter

3.3.5 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the emergency generators with ID Nos. G-176 thru G-181, any gases which contain in excess of the following:

[40 CFR 60.4205(b), 40 CFR 60.4202(a)(2), and 40 CFR 89.112(a)]

ID No.	g/kW-hr				
	NO _x	HC	NMHC+NO _x	CO	PM
G-180 (74 kWe)	N/A	N/A	7.5	5.0	0.40
G-176 thru G-179 (80 kWe, each)	N/A	N/A	4.0	5.0	0.30
G-181 (565 kWe)	N/A	N/A	6.4	3.5	0.20

3.3.6 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the emergency generators with ID Nos. G-176 thru G-181, any gases which exhibit visible emissions, the opacity of which is equal to or greater than the following:

[40 CFR 60.4205(b), 40 CFR 60.4202(a)(2), and 40 CFR 89.113(a)]

- a. 20 percent during the acceleration mode;
- b. 15 percent during the lugging mode; and
- c. 50 percent during the peaks in either the acceleration or lugging modes.

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- 3.3.7 The Permittee shall fire, in the emergency generators with ID Nos. G-172 and G-176 thru G-181 and any future emergency generators, only diesel fuel that meets the requirements of 40 CFR 80.510(a), which is subject to the following per-gallon standards:
[40 CFR 60.4207(a), 40 CFR 80.510(a), and 391-3-1-.02(2)(g)2.(subsumed)]
- a. Sulfur content: 500 parts per million (ppm) maximum.
 - b. Cetane index or aromatic content, as follows:
 - i. A minimum cetane index of 40; or
 - ii. A maximum aromatic content of 35 volume percent.
- 3.3.8 Beginning October 1, 2010, the Permittee shall fire, in the emergency generators with ID Nos. G-172 and G-176 thru G-181 and any future emergency generators, only diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which is subject to the following per-gallon standards:
[40 CFR 60.4207(b), 40 CFR 80.510(b), and 391-3-1-.02(2)(g)2.(subsumed)]
- a. Sulfur content: 15 parts per million (ppm) maximum.
 - b. Cetane index or aromatic content, as follows:
 - i. A minimum cetane index of 40; or
 - ii. A maximum aromatic content of 35 volume percent.
- 3.3.9 The Permittee shall operate and maintain the emergency generators with ID Nos. G-172 and G-176 thru G-181 according to the engine manufacturer's written instructions or procedures developed by the Permittee that are approved by the engine manufacturer, over the entire life of the engines. In addition, the Permittee may only change those settings that are permitted by the engine manufacturer.
[40 CFR 60.4206 and 40 CFR 60.4211(a)]
- 3.3.10 The Permittee shall not operate the emergency generators with ID Nos. G-172 and G-176 thru G-181 for purposes other than emergency uses, maintenance checks, and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engines. Maintenance checks and readiness testing of each engine is limited to 100 hours per year.
[40 CFR 60.4211(e)]
- 3.3.11 The Permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR Part 63, in Subpart A – “General Provisions,” and Subpart ZZZZ – “National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines” for the operation of the emergency generators with ID Nos. G-172 and G-176 thru G-181, and all other emergency generators.
[40 CFR 63 Subparts A and ZZZZ]

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- 3.3.12 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from all site remediations at Fort Stewart, any gases which contain hazardous air pollutants (HAPs) emissions equal to or in excess of 1 megagram (Mg) per calendar year so that the facility is not subject to any requirement, except the record keeping requirement specified in Condition 6.2.24, of 40 CFR 63 Subpart GGGGG, "National Emission Standards for Hazardous Air Pollutants: Site Remediation."
[40 CFR 63.7881(c)(1)]

3.4 Equipment SIP Rule Standards

- 3.4.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the emergency generators with ID Nos. G-172 and G-176 thru G-181 and the spray paint booth with ID No. P001, any gases which exhibit visible emissions, the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)1.]

- 3.4.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the boilers with ID Nos. H004 and H008, any gases which:

- a. Contain particulate matter emissions in excess of the rate derived from $P = 0.5 * (10 / R)^{0.5}$ where R equals heat input rate in million BTU per hour and P equals the allowable emission rate in pounds per million BTU.
[391-3-1-.02(2)(d)2.(ii)]
- b. Exhibit visible emissions, the opacity of which is equal to or greater than 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)3.]

- 3.4.3 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the boilers with ID Nos. H009, H010, and H011, any gases which:

- a. Contain particulate matter emissions in excess of the rate derived from $P = 0.5 * (10 / R)^{0.5}$ where R equals heat input rate in million BTU per hour and P equals the allowable emission rate in pounds per million BTU.
[391-3-1-.02(2)(d)2.(ii)]

- 3.4.4 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the spray paint booth with ID No. P001, particulate matter emissions in excess of the rate derived from:
[391-3-1-.02(2)(e)1.(i)]

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

where P equals process input weight rate in tons per hour and E equals the allowable emission rate in pounds per hour.

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

- 3.5.1 The Permittee shall operate the dry filter with ID No. PC01 at all times that the spray paint booth with ID No. P001 is in operation.
[391-3-1-.02(2)(a)10]

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 Part 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)]
- 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 shall be used for the determination of sample point locations.
 - b. Method 2 shall be used for the determination of stack gas flow rate.
 - c. Method 3 or 3A shall be used for the determination of stack gas molecular weight.
 - d. Method 3B shall be used for the determination of the emission rate correction factor or excess air (Method 3A may be used as an alternative to Method 3B).
 - e. Method 4 shall be used for the determination of stack gas moisture.
 - f. Method 5 shall be used for the determination of the particulate matter concentration.
 - g. Method 9 and the procedures contained in Section 1.3 of the above referenced document shall be used for the determination of opacity.
 - h. Method 10 shall be used for the determination of carbon monoxide concentration.
 - i. Method 19, when applicable, shall be used to convert particulate matter, carbon monoxide, sulfur dioxide, and nitrogen oxides concentrations (i.e. grains/dscf for PM, ppm for gaseous pollutants), as determined using other methods specified in this section, to emission rates (i.e. lb/MMBtu).
 - j. Method 26 or 26A shall be used for the determination of hydrogen chloride concentration.

- k. ASTM Test Methods D1072, D3031, D4084, or D3246 shall be used for the determination of fuel sulfur content.

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)]

4.2 Specific Testing Requirements

- 4.2.1 The Permittee shall conduct performance tests for Particulate Matter (PM) emissions on the (wood-fired) boiler with ID No. H004 at 24-month intervals. Should the PM emissions for the boiler be less than fifty (50) percent of the applicable emissions limitation contained in Condition No. 3.4.2.a, the Permittee may request that testing be conducted at 48-month intervals. Data from these tests may be used by either the Division or the Permittee to reevaluate and/or reestablish, through a permit modification, the scrubber parameters utilized in Condition 6.1.7.

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

- 4.2.2 The Permittee shall conduct an annual performance test for CO on each of the boilers with ID Nos. H010 and H011, while burning natural gas at the maximum expected firing rate, between 10 and 12 months after the previous performance test to demonstrate compliance with the CO emission limit in Condition 3.2.10.c.

[391-3-1-.03(2)(c)]

- 4.2.3 Within 60 days after the first firing of fuel oil in each boiler with ID Nos. H009, H010, and H011 following issuance of this permit, the Permittee shall cause to be conducted, while firing fuel oil, a Method 9 performance test for visible emissions on emissions from the boiler stack, to demonstrate compliance with the emission limit specified in Condition 3.3.2. If, during the initial 60 minutes of observation, all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent, the observation period may be reduced from 3 hours to 60 minutes.

[40 CFR 60.47c(g) and 391-3-1-.02(6)(b)1.(i)]

The Permittee shall notify the Division in writing, within 15 days after the first firing of fuel oil, that fuel oil was burned in the boiler(s). This notice shall indicate the facility's intent to conduct the performance test and the planned date of the test, or the actual date if the test has already been carried out.

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 parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- a. A differential pressure indicator on the venturi scrubber with ID No. HC01 to measure differential pressure across the venturi scrubber.
 - b. A flow meter on the venturi scrubber with ID No. HC01 to measure the water flow rate to the venturi scrubber.
- 5.2.2 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.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- a. A natural gas consumption meter to continuously measure the quantity of natural gas, in cubic feet, burned in the boiler with ID No. H009. Data shall be recorded monthly.
 - b. A natural gas consumption meter to continuously measure the quantity of natural gas, in cubic feet, burned in each of the boilers with ID Nos. H010 and H011. Data shall be recorded monthly.
 - c. A distillate fuel oil consumption meter to continuously measure the quantity of distillate fuel oil, in gallons, burned in each of the boilers with ID Nos. H009, H010, and H011. Data shall be recorded monthly.

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d. A non-resettable hour meter to continuously measure the number of hours operated during any type of operation, for each emergency generator with ID Nos. G-172 and G-176 thru G-181, and any future emergency generators. The Permittee shall record the reason why the engines/generators are in operation each time. Data shall be recorded monthly. The monthly total net operating hours, for each type of operating reason, shall be recorded in accordance with Condition 6.2.16.
[40 CFR 60.4209(a), and 40 CFR 60.4211(e)]

5.2.3 The Permittee shall, for each day or portion of a day that the spray painting booth with ID No. P001 is operated, perform an inspection of the dry filtration system with ID No. PC01. Any indication of improper operation of the dry filtration system and/or the need for any maintenance on the system shall be recorded in a maintenance log, along with a description of any corrective action taken and when it was completed. Regardless of the maintenance, the filters must be changed on the first working day of each calendar quarter, unless they were changed in the previous 30 days. Filters need not be changed if P001 was not used at all in the preceding quarter. The maintenance log, including all records of filter replacement, shall be kept in a form suitable for inspection or submittal to the Division.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.4 Following the initial performance test required by Condition 4.2.3, subsequent Method 9 performance testing shall be conducted at a frequency specified in the table below in order to monitor compliance with the emission limit specified in Condition 3.3.2. If, during the initial 60 minutes of observation, all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent, the observation period may be reduced from 3 hours to 60 minutes.
[40 CFR 60.47c(g), 40 CFR 70.6(a)(3)(i), and 391-3-1-.02(6)(b)1]

Highest 6-Minute Average Opacity Observed	Subsequent testing shall be conducted once the affected boiler fires on fuel oils after the period specified below following the most recent performance test:
0%	12 Calendar Months
>0%-5%	6 Calendar Months
>5%-10%	3 Calendar Months
>10%	30 Calendar Days

5.2.5 If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test required by Condition 4.2.3 or 5.2.4, the Permittee may, as an alternative to performing subsequent Method 9 tests, elect to perform subsequent monitoring using Method 22, according to the following procedures.
[40 CFR 60.47c(g), 40 CFR 70.6(a)(3)(i), and 391-3-1-.02(6)(b)1]

a. The Permittee shall conduct 10-minute observations (during normal operation) each operating day the affected boiler (ID Nos. H009, H010, or H011) fires fuel oil, using Method 22, and demonstrate that the sum of the occurrences of any visible emissions while firing fuel oil is not in excess of 5 percent of the observation period (i.e., 30 seconds per 10-minute period). If the sum of the occurrence, of any visible emissions is greater than 30 seconds during the initial 10-minute observation, the Permittee shall immediately conduct a 30-minute observation. If the sum of the occurrence of visible

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emissions is greater than 5 percent of the observation period (i.e., 90 seconds per 30-minute period), the Permittee shall either document and adjust the operation of the boiler and demonstrate within 24 hours that the sum of the occurrence of visible emissions is equal to or less than 5 percent during a 30-minute observation (i.e., 90 seconds), or conduct a new Method 9 performance test while firing fuel oil using the procedures in Condition 4.2.3, within 30 calendar days where fuel oil is being fired. Subsequent Method 9 testing shall not be required should the affected boiler no longer be firing fuel oil at the time the testing is required, but testing shall be conducted at the next occurrence when fuel oil is burned in the affected boiler.

- b. If no visible emissions are observed for 30 operating days during which fuel oil is fired, observations can be reduced to once every 7 operating days. If any visible emissions are observed, daily observations shall be resumed while fuel oil is being fired.

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

Emission Unit	Pollutant
Boiler H004	Particulate matter (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]

5.2.7 The Permittee shall comply with the performance criteria listed in the table below for the particulate matter emissions from the boiler with ID No. H004.
[40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	Indicator No. 1 Pressure Drop across the Venturi Scrubber	Indicator No. 2 Water Flow Rate to the Venturi Scrubber
A. Data Representativeness [64.3(b)(1)]	Minimum acceptable accuracy of pressure drop indicator per manufacturer's specifications.	Minimum acceptable accuracy of flow meter per manufacturer's specifications.
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	N/A	N/A
C. QA/QC Practices and Criteria [64.3(b)(3)]	Visual inspections, calibrations, and routine maintenance as per manufacturer's recommendations.	Visual inspections, calibrations, and routine maintenance as per manufacturer's recommendations.
D. Monitoring Frequency [64.3(b)(4)]	Pressure drop is continuously measured and recorded in a computer.	Water flow rate is continuously measured and recorded in a computer.
Data Collection Procedures [64.3(b)(4)]	Pressure drop is manually recorded each day or portion of a day that Boiler H004 is operated. Manual logs are maintained on site.	Water flow rate is manually recorded each day or portion of a day that Boiler H004 is operated. Manual logs are maintained on site.

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Performance Criteria [64.4(a)(3)]	Indicator No. 1 Pressure Drop across the Venturi Scrubber	Indicator No. 2 Water Flow Rate to the Venturi Scrubber
Averaging Period [64.3(b)(4)]	3 block hours	3 block hours

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 the 30th day following the end of each reporting period, July 30 and January 30, respectively, 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 the 30th day following the end of each reporting period, July 30 and January 30, respectively. 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.

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- 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)]

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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)(i)]

- 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)

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 period during which the total CO emissions from the boiler with ID No. H004, as determined in accordance with Condition 6.2.3, is equal to or exceeds 248 tons.

ii. Any period during which fuel oil burned in the boilers with ID Nos. H009, H010, and H011 does not meet the specifications in Condition 3.2.3.

iii. Any twelve consecutive month period during which the amount of distillate fuel oils fired in the boiler with ID No. H009 exceeds 1,000,000 gallons.

iv. Any twelve consecutive month period during which the amount of distillate fuel oils fired in the boilers with ID Nos. H010 and H011, combined, exceeds 560,000 gallons.

v. Any twelve consecutive month period during which the amount of natural gas fired in the boilers with ID Nos. H010 and H011, combined, exceeds 240 million cubic feet.

vi. Any period during which fuel oil burned in the boiler with ID No. H004 or H008 contains greater than 0.5% sulfur, by weight.

vii. Any twelve consecutive month period during which total hours of operation for each emergency generator with ID Nos. G-172 and G-176 thru G-181, during maintenance checks and readiness testing, as determined in accordance with Condition 6.2.17, exceeds 100 hours.

[40 CFR 60.4211(e)]

viii. Any period during which fuel oil burned in the emergency generator with ID Nos. G-172 and G-176 thru G-181 does not meet the specifications in Condition 3.3.7.

[40 CFR 60.4207(a), 40 CFR 80.510(a), and 391-3-1-.02(2)(g) 2.(subsumed)]

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- ix. Beginning October 1, 2010, any period during which fuel oil burned in the emergency generator with ID Nos. G-172 and G-176 thru G-181 does not meet the specifications in Condition 3.3.8.
[40 CFR 60.4207(b), 40 CFR 80.510(b), and 391-3-1-.02(2)(g) 2.(subsumed)]
- x. Any result of a Method 9 performance test required by Condition 5.2.4 or 5.2.5.a that exceeds the opacity limit specified in Condition 3.3.2.
- 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. Any indication of improper operation or adverse condition of the dry filtration system with ID No. PC01, discovered during an inspection required by Condition 5.2.3.
 - ii. Any failure to operate the dry filtration system with ID No. PC01 at any time that the spray painting booth with ID No. P001 is in operation.
 - iii. Any failure to change the filters of the dry filtration system with ID No. PC01 as required by Condition 5.2.3.
 - iv. Any 3-hr block average of the differential pressure across the venturi scrubber with ID No. HC01 that is less than 10.5 inches water gauge.
 - v. Any 3-hr block average of the water flow rate to the venturi scrubber with ID No. HC01 that is out of the range of 340 gallons per minute to 510 gallons per minute.

6.2 Specific Record Keeping and Reporting Requirements

Boilers

- 6.2.1 The Permittee shall record each month and maintain records of the amount (in tons) of wood waste that is delivered to the base for the operation of the boiler with ID No. H004.
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]
- 6.2.2 The Permittee shall use the monthly records required in Condition 6.2.1 to determine and maintain records of the total CO emissions from the boiler with ID No. H004 for each calendar month. For purposes of this Permit, the Permittee shall use the following equation to compute monthly CO emissions from H004:
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]

$$CO_{H004} = M_{Wood} \times H_{Wood} \times EF_{Wood}$$

- Where:
- CO_{H004} = Monthly CO emission rates from H004, in tons per month.
 - M_{Wood} = Mass of wood waste delivered to the base for H004 in that month, in tons.

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H_{Wood} = Heat content of wood waste, 0.00450 million Btu per pound of wood (MM Btu/lb wood).

EF_{Wood} = CO emission factor for combustion of wood waste, 0.60 lb CO per million Btu (lb CO/MM Btu).

The Permittee may elect to, upon approval by the Division, use the average of the results of the most recent CO performance test on H004, instead of 0.60 lb CO/MM Btu (found in the current U.S. EPA AP-42 Table 1.6-2), as the CO emission factor (EF_{Wood}).

6.2.3 The Permittee shall use the records required by Condition 6.2.2 to determine and maintain records of the 12-consecutive month total of CO emissions from the boiler with ID No. H004 for each calendar month in the semiannual reporting period. A 12-consecutive month total shall be defined as the sum of a calendar month's total plus the totals for the previous eleven (11) consecutive months.

[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]

6.2.4 The Permittee shall record and maintain records of the initial performance test required by Condition 4.2.3 and of the visible emissions monitoring done in accordance with Conditions 5.2.4 and 5.2.5, as specified in paragraphs a or b below, as applicable, depending on the visible emissions monitoring method that is used.

[40 CFR 60.47c(g), 40 CFR 70.6(a)(3)(i), and 391-3-1-.02(6)(b)1]

a. For each performance test conducted using Method 9, the Permittee shall keep records, including the following information:

- i. Dates and time intervals of all opacity observation periods.
- ii. Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test.
- iii. Copies of all visible emission observer opacity field data sheets.

b. For each performance test conducted using Method 22, the owner or operator shall keep records, including the following information:

- i. Dates and time intervals of all visible emissions observation periods.
- ii. Name and affiliation for each visible emission observer participating in the performance test.
- iii. Copies of all visible emission observer opacity field data sheets.
- iv. Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.

6.2.5 [Reserved]

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- 6.2.6 [Reserved]
- 6.2.7 The Permittee shall use the natural gas and distillate fuel oil consumption meters required by Condition 5.2.2.a, b, and c to determine and record the following:
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1.]
- a. The total volume of natural gas burned in the boiler with ID No. H009 during each calendar month.
[40 CFR 60.48c(g)2.]
 - b. The total volume of natural gas burned in each of the boilers with ID Nos. H010 and H011 during each calendar month.
[40 CFR 60.48c(g)2.]
 - c. The total volume of distillate fuel oils burned in each of the boilers with ID Nos. H009, H010, and H011 during each calendar month.
[40 CFR 60.48c(g)2.]
 - d. Using the records obtained in accordance with Paragraph b above, the 12-consecutive month total volume of natural gas burned in the boilers with ID Nos. H010 and H011, combined, ending at each calendar month.
 - e. Using the records obtained in accordance with Paragraph c above, the 12-consecutive month total volume of distillate fuel oils burned in the boiler with ID No. H009 ending at each calendar month.
 - f. Using the records obtained in accordance with Paragraph b above, the 12-consecutive month total volume of distillate fuel oils burned in the boilers with ID Nos. H010 and H011, combined, ending at each calendar month.
- 6.2.8 The Permittee shall verify that each shipment of distillate fuel oil received for combustion in the boilers with ID Nos. H009, H010, and H011 complies with the requirements of Condition 3.2.3 of the Permit. Verification shall consist of either of the following:
[40 CFR 60.47c(c), 60.48c(f)(1), 40 CFR 70.6(a)(3)(i), and 391-3-1-.02(6)(b)1]
- a. Fuel oil receipts obtained from the fuel supplier certifying that the oil is distillate fuel oil and contains less than or equal to 0.5% sulfur, by weight; or
 - b. Analysis of the distillate fuel oil conducted by methods of sampling and analysis which have been specified or approved by the Division which demonstrates that the distillate fuel oil contains less than or equal to 0.5% sulfur, by weight.
- 6.2.9 The Permittee shall verify that each shipment of fuel oil received for combustion in the boilers with ID Nos. H004 and H008 complies with the requirements of Conditions 3.2.7 and 3.2.8 of the Permit. Verification shall consist of either of the following:
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]

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- a. Fuel oil receipts obtained from the fuel supplier certifying that the oil is distillate fuel oil and contains less than or equal to 0.5% sulfur, by weight; or
- b. Analysis of the distillate fuel oil conducted by methods of sampling and analysis which have been specified or approved by the Division which demonstrates that the distillate fuel oil contains less than or equal to 0.5% sulfur, by weight.

6.2.10 [Reserved]

6.2.11 The Permittee shall submit, with the report required by Condition 6.1.4, a semiannual report that contains the following records. The records shall be available for inspection or submittal to the Division upon request and contain:
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]

- a. The 12-consecutive month total of CO emissions from the boiler with ID No. H004, determined in accordance with Condition 6.2.3, ending at each calendar month in the semiannual reporting period.
- b. The 12-consecutive month total volume of distillate fuel oils burned in the boiler with ID No. H009, determined in accordance with Condition 6.2.7.e, ending at each calendar month in the semiannual reporting period.
- c. The 12-consecutive month total volume of natural gas burned in the boilers with ID Nos. H010 and H011, determined in accordance with Condition 6.2.7.d, ending at each calendar month in the semiannual reporting period.
- d. The 12-consecutive month total volume of distillate fuel oils burned in the boilers with ID Nos. H010 and H011, determined in accordance with Condition 6.2.7.f, ending at each calendar month in the semiannual reporting period.
- e. The fuel supplier certifications, as specified in Condition 6.2.8, for each shipment of distillate fuel oil received during the reporting period and a statement signed by a responsible official that the records of fuel supplier certifications submitted represent all of the fuel oils combusted in the boilers with ID Nos. H009, H010, and H011 during the semiannual reporting period. If no fuel oil was received during the reporting period, the report shall so state.

6.2.12 The Permittee shall maintain and implement a written Startup, Shutdown, and Malfunction Plan (SSM) Plan that describes, in detail, procedures for operating and maintaining the boilers with ID Nos. H010 and H011, during periods of startup, shutdown, and malfunction; and a program of corrective action for malfunctioning process, air pollution control, and monitoring equipment used to comply with a relevant standard. Each revision of the SSM Plan must be reported in the semiannual report required in Condition 6.2.13. A current version of the SSM Plan shall be available for inspection or submittal to the Division upon request.
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]

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6.2.13 The Permittee shall submit, with the report required by Condition 6.1.4, a semiannual compliance report, for the boilers with ID Nos. H010 and H011, that contains the following records. The records shall be available for inspection or submittal to the Division upon request and contain:

[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]

- a. Company name and address.
- b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- c. Date of report and beginning and end dates of the reporting period.
- d. The total fuel used by each affected source subject to an emission limit, for each calendar month within the semiannual reporting period, including, but not limited to, a description of the fuel and the total fuel usage amount with units of measure.
- e. A summary of the results of each annual performance test that is conducted during the semiannual reporting period and documentation of any operating limits that were established during this test, if applicable.
- f. A signed statement indicating that the Permittee burned no new types of fuel.
- g. A list of startups, shutdowns, or malfunctions, if any, during the reporting period, and any actions taken to minimize emissions. The compliance report must include the following information specified in the periodic startup, shutdown, and malfunction reports:
 - i. If actions taken by an owner or operator during a startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan, the owner or operator shall state such information in a startup, shutdown, and malfunction report. Actions taken to minimize emissions during such startups, shutdowns, and malfunctions shall be summarized in the report and may be done in checklist form; if actions taken are the same for each event, only one checklist is necessary.
 - ii. Such a report shall also include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded.
 - iii. Reports shall only be required if a startup or shutdown caused the source to exceed any applicable emission limitation in the relevant emission standards, or if a malfunction occurred during the reporting period.

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- iv. The startup, shutdown, and malfunction report shall consist of a letter, containing the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, that shall be submitted to the Division semiannually (or on a more frequent basis if specified otherwise in a relevant standard or as established otherwise by the Division).
 - v. The startup, shutdown, and malfunction report shall be delivered or postmarked by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate).
 - vi. If the owner or operator is required to submit excess emissions and continuous monitoring system performance (or other periodic) reports, the startup, shutdown, and malfunction reports required under Paragraph g may be submitted simultaneously with the excess emissions and continuous monitoring system performance (or other) reports.
- h. Any time an action taken by the Permittee during a startup or shutdown that caused the source to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the owner or operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The immediate report required under this paragraph shall consist of a telephone call (or facsimile (FAX) transmission) to the Division within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, describing all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions in conformance with Paragraph g. Notwithstanding the requirements of the previous sentence, the Permittee may make alternative reporting arrangements, in advance, with the Division.
- i. A signed statement certifying that, during the semiannual reporting period, the boilers burned only liquid fossil fuels other than residual oil, either alone or in combination with gaseous fuels.

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- 6.2.14 For each deviation from an emission limit specified in Condition 3.2.10, where the Permittee is not using a continuous monitoring system (CMS) to comply with that emission limit, the compliance report required in Condition 6.2.13 shall contain the information in Condition 6.2.13.a through h, and the following information (This includes periods of startup, shutdown, and malfunction):
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]
- a. The total operating time of each affected source during the reporting period.
 - b. A description of the deviation and the emission limit, from which the Permittee deviated.
 - c. Information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective actions taken.
- 6.2.15 The Permittee shall furnish the Division an immediate startup, shutdown, malfunction report if the Permittee had a startup, shutdown, or malfunction that is not consistent with the SSMP specified in Condition 6.2.12, and the source exceeds any applicable emission limitation in the relevant emission standard, in accordance with the following procedures:
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]
- a. The Permittee shall report actions taken for the event by fax or telephone within 2 working days after starting actions inconsistent with the SSMP; and
 - b. The Permittee shall report the information required by 40 CFR 63.10(d)(5)(ii) by letter within 7 working days after the end of the event unless the Permittee has made alternative arrangements with the Division.

Generators

- 6.2.16 The Permittee shall use operating logs and the hour meters required by Condition 5.2.2.d to determine and record the following, for each emergency generator with ID Nos. G-172 and G-176 thru G-181, and any future emergency generators, at the end of every calendar month:
[40 CFR 60.4209(a), 40 CFR 60.4211(e), 40 CFR 70.6(a)(3)(i), and 391-3-1-.02(6)(b)1]
- a. The total hours of operation for maintenance checks/readiness testing.
 - b. The total hours of operation for emergency purposes.
- 6.2.17 The Permittee shall use the records required by Condition 6.2.16.a to calculate the 12-consecutive month total hours of operation for each emergency generator with ID Nos. G-172 and G-176 thru G-181, and any future emergency generators, during maintenance checks and readiness testing, ending at each calendar month in the semiannual reporting period.
[40 CFR 60.4209(a), 40 CFR 60.4211(e), 40 CFR 70.6(a)(3)(i), and 391-3-1-.02(6)(b)1]

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- 6.2.18 The Permittee shall keep records of engine manufacturer data indicating compliance with the emission limits specified in Condition 3.3.4.
[40 CFR 60.4211(b)(3), 40 CFR 70.6(a)(3)(i), and 391-3-1-.02(6)(b)1]
- 6.2.19 The Permittee shall verify that each shipment of fuel oil received for combustion in the emergency generators with ID Nos. G-172, G-176 thru G-181, and any future emergency generators, complies with the requirements of Condition 3.3.7 of the Permit. Verification shall consist of either of the following:
[40 CFR 60.4207(a), 40 CFR 70.6(a)(3)(i), 40 CFR 80.510(a), and 391-3-1-.02(6)(b)1]
- a. Fuel oil receipts obtained from the fuel supplier certifying that the fuel oil complies with the standards specified in Condition 3.3.7; or
 - b. Analysis of the fuel oil conducted by methods of sampling and analysis which have been specified or approved by the Division which demonstrates that the fuel oil complies with the standards specified in Condition 3.3.7.
- 6.2.20 Beginning October 1, 2010, the Permittee shall verify that each shipment of fuel oil received for combustion in the emergency generators with ID Nos. G-172, G-176 thru G-181, and any future emergency generators, complies with the requirements of Condition 3.3.8 of the Permit. Verification shall consist of either of the following:
[40 CFR 60.4207(b), 40 CFR 70.6(a)(3)(i), 40 CFR 80.510(b), and 391-3-1-.02(6)(b)1]
- a. Fuel oil receipts obtained from the fuel supplier certifying that the fuel oil complies with the standards specified in Condition 3.3.8; or
 - b. Analysis of the fuel oil conducted by methods of sampling and analysis which have been specified or approved by the Division which demonstrates that the fuel oil complies with the standards specified in Condition 3.3.8.
- 6.2.21 The Permittee shall submit, with the report required by Condition 6.1.4, a semiannual report that contains the following records for the operation of the emergency generators with ID Nos. G-172 and G-176 thru G-181 and any future emergency generators. The records shall be available for inspection or submittal to the Division upon request and contain:
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]
- a. The fuel supplier certifications, as specified in Conditions 6.2.19 and 6.2.20, for each shipment of diesel fuel oil received during the reporting period and a statement signed by a responsible official that the records of fuel supplier certifications submitted represent all of the fuel oil combusted in the emergency generators with ID Nos. G-172 and G-176 thru G-181, and any future emergency generators, during the semiannual reporting period.

- 6.2.22 The Permittee shall demonstrate compliance with the emission and opacity limits specified in 40 CFR 60.4205(b), for any future emergency generator, by purchasing an engine that is certified to comply with the emission and opacity limits in 40 CFR 60.4205(b), as applicable, for its model year and maximum engine power. Any future engines shall be installed and configured according to the associated 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.
[40 CFR 60.4211(c), 40 CFR 70.6(a)(3)(i), and 391-3-1-.02(6)(b)1]

Spray Painting Booth

- 6.2.23 The Permittee shall maintain a log for the dry filtration system with ID No. PC01 at any time that the spray painting booth with ID No. P001 is in operation. Failure to operate the air pollution control equipment as prescribed in Condition 3.5.1 shall be reported in accordance with Condition 6.1.7 and shall be indicated in the log.
[40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]

Site Remediation

- 6.2.24 The Permittee shall maintain documentation supporting the determination that the total quantity of HAP that is contained in the remediation material excavated, pumped, or otherwise removed during all site remediations conducted at the facility is less than 1 megagram (Mg), per calendar year. The documentation must include a description of the methodology and data used for determining the total HAP content of the remediation material.
[40 CFR 63.7881(c)(2), 40 CFR 70.6(a)(3)(i), and 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)

None applicable.

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

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.

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- 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 (e.g., diskette or compact disc) to:

MAIL

Attention: RMP*Submit
Risk Management Program (RMP) Reporting Center
P.O. Box 1515
Lanham-Seabrook, MD 20703-1515

COURIER & FEDEX

**Risk Management Program (RMP) Reporting Center
C/O CSC
Suite 300
8400 Corporate Drive
New Carrollton, MD 20785**

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.
 - 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.

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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
9711-179-0018-V-01-0	August 14, 2003
9711-179-0018-V-01-2	April 25, 2006
9711-179-0018-V-01-3	April 29, 2008

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
Air Protection Branch
Atlanta Tradeport, Suite 120
4244 International Parkway
Atlanta, Georgia 30354-3908**

For Environmental Management District Sources, test data and requests for revisions and renewal shall be submitted to the above address. Reports, monitoring data, notifications, and annual certifications shall be copied to the above address and submitted to:

**Georgia Department of Natural Resources
Environmental Protection Division
Coastal District Office - Brunswick
400 Commerce Center Drive
Brunswick, Georgia 31523-8251**

- 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]

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- 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 one (1) year or longer. 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 compliance with the applicable requirement is not required until after the date on which the Permit is due to expire; [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)]

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- 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)]

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- 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:
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(2) and (3)]
- 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 January 30 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

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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

8.15.1 **State Only Enforceable Condition.**

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 The Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) Federal Rule 40 CFR Part 60 Subpart A-"General Provisions" and Subpart III-"Standards for Stationary Compression Ignition Internal Combustion Engines," for diesel-fired internal combustion engine(s) manufactured after April 1, 2006 or modified/reconstructed after July 11, 2005. Such requirements include but are not limited to:
[40 CFR 60.4205(b), 391-3-1-.02(8)(b)77]
- a. Equip all emergency generator engines with non-resettable hour meters
 - b. Use only diesel fuel with a maximum sulfur content of 500 ppm (15 ppm after October 1, 2010) unless otherwise specified by the Division.

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

Title V Permit

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	Yes
Combustion Equipment	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	14
	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: i) Less than 8 million BTU/hr heat input, firing types 0, 1, 2, and/or 3 waste. 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. 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)	
	3. Open burning in compliance with Georgia Rule 391-3-1-.02 (5).	Yes
	4. Stationary engines burning: 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 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. 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. 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.	24
		4
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.	
Maintenance, Cleaning, and Housekeeping	1. Blast-cleaning equipment using a suspension of abrasive in water and any exhaust system (or collector) serving them exclusively.	
	2. Portable blast-cleaning equipment.	
	3. Non-Perchloroethylene Dry-cleaning equipment with a capacity of 100 pounds per hour or less of clothes.	
	4. Cold cleaners having an air/vapor interface of not more than 10 square feet and that do not use a halogenated solvent.	92
	5. Non-routine clean out of tanks and equipment for the purposes of worker entry or in preparation for maintenance or decommissioning.	
	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.	
	7. Cleaning operations: Alkaline phosphate cleaners and associated cleaners and burners.	

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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.	10
	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.	
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.	4
	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.	
	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.	
	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.	5
Industrial Operations	1. Concrete block and brick plants, concrete products plants, and ready mix concrete plants producing less than 125,000 tons per year.	
	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: <ul style="list-style-type: none"> i) Furnaces for heat treating glass or metals, the use of which do not involve molten materials or oil-coated parts. ii) Porcelain enameling furnaces or porcelain enameling drying ovens. iii) Kilns for firing ceramic ware. 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. v) Bakery ovens and confection cookers. vi) Feed mill ovens. vii) Surface coating drying ovens 	
	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: <ul style="list-style-type: none"> i) Activity is performed indoors; & ii) No significant fugitive particulate emissions enter the environment; & iii) No visible emissions enter the outdoor atmosphere. 	12
	4. Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy (e.g., blueprint activity, photographic developing and microfiche).	
	5. Grain, food, or mineral extrusion processes	
	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.	
	7. Equipment for the mining and screening of uncrushed native sand and gravel.	
	8. Ozonization process or process equipment.	
	9. Electrostatic powder coating booths with an appropriately designed and operated particulate control system.	
	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.	
	11. Equipment used exclusively for the mixing and blending water-based adhesives and coatings at ambient temperatures.	
	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.	
	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.	

Title V Permit

Fort Stewart Hqs 3D Infantry Div (Mech)

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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.	104
	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.	
	3. All petroleum liquid storage tanks with a capacity of less than 10,000 gallons storing a petroleum liquid.	5
	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.	
	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.	9
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	9
	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).	

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
Dispensing of gasoline from tanks < 10,000 gal.	5
Dispensing or Loading Diesel Fuel	15
Dispensing or Loading JP-8	5
Industrial WWTP, Bldg 4420 - W001	1
Loading of Gasoline at COCO (Emission Unit F146)	1
MILVAN Container Coating Operations - P104	1
Miscellaneous product usage, Emission Unit M001	1
Ordnance detonation operations, 38th Ordnance Company (EOD), Emission Unit O101	1
Ordnance Detonation, Small Arms - O001, O002 and O003	3
Spray painting booth, GANG, MATES, Building 10531, Emission Unit P103	1
Tank Track Coating Operations - P105	1
20,000-gallon distillate fuel oil storage tank – T001	1
20,000-gallon gasoline storage tank at a gasoline service station – T022	1

Title V Permit

Fort Stewart Hqs 3D Infantry Div (Mech)

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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)
None				

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.	1
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.	46
Any fuel burning equipment with a rated heat input capacity of 1 million BTU/hr or less.	2,196

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.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/tanks.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).