

Part 70 Operating Permit

Permit Number: 2952-151-0009-V-03-0 **Effective Date:**

Facility Name: Atlas Roofing Corporation, Hampton Plant

Facility Address: 100 Pine View Drive
Hampton, Georgia 30228 (Henry County)

Mailing Address: 100 Pine View Drive
Hampton, Georgia 30228

Parent/Holding Company: Atlas Roofing Corporation

Facility AIRS Number: 04-13-15100009

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 an asphalt roofing plant.

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-20130 signed on December 20, 2010, 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 **44** pages.

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.1 Site Determination

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

1.2 Previous and/or Other Names

The facility used to be owned by Georgia-Pacific Corporation. It was acquired by Atlas Roofing Corporation in 1994.

1.3 Overall Facility Process Description

The facility consists of two sections: a felt mill section and an asphalt roofing one. The Felt Mill manufactures felt to be used as an ingredient in the asphalt roofing section.

Felt Mill Section

Felt paper is manufactured from pulped waste paper, corrugated paper, sawdust, and wood flour. The felt paper is pulped in a hydrapulper at ambient pressure. The felt paper manufacturing process differs from traditional paper making processes in that it doesn't employ the chemicals or high pressure pulping used in typical manufacture.

Asphalt Roofing Section

Asphalt roofing is manufactured using both felt and fiberglass as a substrate material. The felt paper is dip saturated in hot asphalt, a mineral surfacing material is applied, a sand backing is applied, and then the roofing material is allowed to cool before cutting into shingles or rolled into bundles. The fiberglass substrate is coated with hot asphalt before further processing. Ancillary processes include asphalt, limestone filler, sand, and granule unloading, storage, and conveyance.

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PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY

2.1 Facility Wide Emission Caps and Operating Limits

2.1.1 The Permittee shall not discharge or cause the discharge into the atmosphere from the entire plant nitrogen oxide (NO_x) and volatile organic compounds (VOC) emissions, in amounts equal to or in excess of 50 and 41.2 tons, respectively, during any period of twelve consecutive months.

[*New Source Review (NSR)* and 40 CFR 52.21, *Prevention of Significant Deterioration of Air Quality, Avoidance*]

2.2 Facility Wide Federal Rule Standards

2.2.1 For all equipment subject to 40 CFR 60, *Standards of Performance for New Stationary Sources*, the Permittee shall comply with the applicable provisions of 40 CFR 60 Subpart A, *General Provisions*.

[40 CFR 60.1-19]

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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
Raw Materials					
101	Coating Asphalt Heater	40 CFR 52.21 Avoidance 391-3-1-.02(2)(e) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	3.2.3 3.4.2 3.4.3 3.4.4 5.2.6, 6.1.7, 6.2.1 6.2.2, 6.2.3	None	
302	Filler Silo	40 CFR 60 Subpart UU 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.3.1 3.4.1 3.4.2 5.2.3, 5.2.4, 5.2.5 5.2.10, 6.1.7, 6.2.5	BV4 & BV5	Baghouses
303	Filler Use Bin	40 CFR 60 Subpart UU 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.3.1 3.4.1 3.4.2 5.2.3, 5.2.4, 5.2.5 5.2.10, 6.1.7, 6.2.5	BV2	Baghouse
304	Filler Railcar Unloading	391-3-1-.02(2)(e)	3.4.2 5.2.6, 6.1.7	None	
305	Filler Conveyance	391-3-1-.02(2)(e)	3.4.2 5.2.6, 6.1.7	None	
307	Filler Heater	40 CFR 52.21 Avoidance 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 40 CFR 64	3.2.3 3.4.1 3.4.2 3.4.3 3.4.4 5.2.11, 5.2.13 5.2.3, 5.2.4, 5.2.5 5.2.7, 5.2.9, 6.1.7 6.2.1, 6.2.2, 6.2.3	BV1	Baghouse
400	Granule Storage Bins	40 CFR 60 Subpart UU 391-3-1-.02(2)(e)	3.3.1 3.4.2 5.2.6, 5.2.10, 6.1.7 6.2.5		
401	Granule Conveyance	391-3-1-.02(2)(e)	3.4.2 5.2.6, 6.1.7		
402	Granule Application	391-3-1-.02(2)(e)	3.4.2 5.2.6, 6.1.7		
403	Granule Truck Loading	391-3-1-.02(2)(e)	3.4.2 5.2.6, 6.1.7		
500	Sand Silo	40 CFR 60 Subpart UU 391-3-1-.02(2)(e)	3.3.1 3.4.2 5.2.6, 5.2.10, 6.1.7 6.2.5		

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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
502	Sand Use Bin	40 CFR 60 Subpart UU 391-3-1-.02(2)(e)	3.3.1 3.4.2 5.2.6, 5.2.10, 6.1.7 6.2.5		
Asphalt Tanks					
103	Coating Asphalt Heater	40 CFR 52.21 Avoidance 391-3-1-.02(2)(e) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 391-3-1-.02(2)(rrr)	3.2.3 3.4.2 3.4.3 3.4.4 3.4.5 5.2.6, 5.2.8, 5.2.7 5.2.9, 6.1.7 6.2.1, 6.2.2, 6.2.3		
105A	North Coating Asphalt Storage	40 CFR 52.21 Avoidance 40 CFR 60 Subpart UU 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(vv)	3.2.3 3.3.1 3.4.1 3.4.2 3.4.7 5.2.7, 5.2.9, 5.2.10 6.2.1, 6.2.2, 6.2.3 6.2.5	ME1	Fume Eliminator
105B	South Coating Asphalt Storage				
105C	North Saturant Asphalt Storage				
105D	South Saturant Asphalt Storage				
105E	Self Seal Asphalt Storage Tank				
105F	Flux Asphalt Storage Tank				
Saturators & Blowing Stills					
200	Felt Line Saturator	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 64	3.4.1 3.4.2 5.2.11, 5.2.12 5.2.1, 5.2.2, 5.2.7 6.1.7, 6.2.1, 6.2.2 6.2.3	ME1	Demister
201	Roofing Saturator	40 CFR 60 Subpart UU 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 64	3.3.1 3.4.1 3.4.2 5.2.11, 5.2.12 5.2.1, 5.2.2, 5.2.7 5.2.10, 6.1.7, 6.2.1 6.2.2, 6.2.3, 6.2.5	ME2	Demister
202	Roll Saturant Asphalt Heater	40 CFR 52.21 Avoidance 391-3-1-.02(2)(e) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 391-3-1-.02(2)(rrr)	3.2.3 3.4.2 3.4.3 3.4.4 3.4.5 5.2.6, 5.2.7, 5.2.8 5.2.9, 6.1.7 6.2.1, 6.2.2, 6.2.3		
203	Felt Saturant Asphalt Heater	40 CFR 52.21 Avoidance 391-3-1-.02(2)(e) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 391-3-1-.02(2)(rrr)	3.2.3 3.4.2 3.4.3 3.4.4 3.4.5 5.2.6, 5.2.7, 5.2.8 5.2.9, 6.1.7 6.2.1, 6.2.2, 6.2.3		

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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
205	Asphalt Preheater	40 CFR 52.21 Avoidance 40 CFR 60 Subpart UU 391-3-1-.02(2)(e) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	3.2.3 3.3.1 3.4.2 3.4.3 3.4.4 5.2.6, 5.2.7, 6.1.7 5.2.9, 5.2.10, 6.2.1 6.2.2, 6.2.3, 6.2.5		
206	Ceiling Vent Fans	40 CFR 60 Subpart UU	3.3.1 5.2.6, 5.2.7, 6.1.7 6.2.5		
206A	Polymer Melt Tank, Mixing Tank, Day Tank, Modified Day Tank Applicator	391-3-1-.02(2)(e) 391-3-1-.02(2)(ccc)	3.4.2 3.4.6 5.2.6, 5.2.7, 6.1.7 6.2.1, 6.2.2, 6.2.3		
600	Asphalt Blow Still	40 CFR 60 Subpart UU 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 40 CFR 64	3.3.1 3.4.1 3.4.2 3.4.3 3.4.4 5.2.11, 5.2.14 5.2.1, 5.2.7, 5.2.9 5.2.10, 6.1.7, 6.2.1 6.2.2, 6.2.3, 6.2.5	204	Blow Still Afterburner (Equipped with a heat recovery system)
601	Asphalt Blow Still				
Felt Mill					
B01	Felt Mill Boiler No. 1 (32.66 Million BTU/hr)	40 CFR 52.21 Avoidance & 40 CFR 60 Subpart Dc 391-3-1-.02(2)(e) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 391-3-1-.02(2)(rrr)	3.2.3, 3.3.2 3.4.2 3.4.3 3.4.4 3.4.5 5.2.6, 5.2.7, 5.2.8 5.2.9, 6.1.7, 6.2.1 6.2.2, 6.2.3, 6.2.4 6.2.5		
B02	Felt Mill Boiler No. 2 (32.66 Million BTU/hr)				
P04	Wood Truck Unloading	391-3-1-.02(2)(e)	3.4.2 5.2.6, 5.2.7, 6.1.7 6.2.1, 6.2.2, 6.2.3		
P05	Pulping and Blending	40 CFR 52.21 391-3-1-.02(2)(tt) 391-3-1-.02(2)(e)	3.2.1 3.2.2 3.4.2 5.2.6, 5.2.7, 6.1.7 6.2.1, 6.2.2, 6.2.3		
P07	3 Drying Evaporation Vents	391-3-1-.02(2)(e)	3.4.2 5.2.6, 5.2.7, 6.1.7 6.2.1, 6.2.2, 6.2.3		
P09	Felt Mill Process Water Chemicals				

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

3.2 Equipment Emission Caps and Operating Limits

- 3.2.1 The Permittee shall limit the hourly production input rate of the Felt Mill and its associated equipment to 6.67 tons.
[40 CFR 52.21, *Prevention of Significant Deterioration of Air Quality*, Avoidance]
- 3.2.2 The Permittee shall limit the raw wood used in the felt production to kiln-dried sawdust and/or wood shavings only.
[391-3-1-.02(2)(tt)]
- 3.2.3 The Permittee shall:
[40 CFR 60.43c and 40 CFR 52.21, *Prevention of Significant Deterioration of Air Quality*, Avoidance]
- a. Limit fuel fired in fuel-burning sources to natural gas and fuel oil numbers 1 or 2 as defined by ASTM D396, *Standard Specifications of Fuel Oils*.
 - b. Cap the plant twelve months rolling total consumption of fuel oil to 1,000,000 U.S. gallons.

3.3 Equipment Federal Rule Standards

- 3.3.1 The Permittee shall comply with the provisions of 40 CFR 60 Subpart UU, *Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture*, for all subject equipment. In particular, for sources subject to the provisions of Subpart UU, the Permittee shall not cause to be discharged into the atmosphere:
[40 CFR 60.472]
- a. From any saturator:
 - i. Particulate matter in excess of:
 - (A) 0.04 kilograms of particulate per megagram of asphalt shingle or mineral surfaced roll roofing produced, or
 - (B) 0.4 kilograms per megagram of saturated felt or smooth-surfaced roll roofing produced;
 - ii. Exhaust gases with opacity greater than 20 percent; and
 - iii. Any visible emissions from a saturator capture system for more than 20 percent of any period of consecutive valid observations totaling 60 minutes.
 - b. From any blowing still:
 - i. Particulate matter in excess of 0.67 kilograms of particulate per megagram of asphalt charged to the still when a catalyst is added to the still; and

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- ii. Particulate matter in excess of 0.71 kilograms of particulate per megagram of asphalt charged to the still when a catalyst is added to the still and when No. 6 fuel oil is fired in the afterburner; and
 - iii. Particulate matter in excess of 0.60 kilograms of particulate per megagram of asphalt charged to the still during blowing without a catalyst; and
 - iv. Particulate matter in excess of 0.64 kilograms of particulate per megagram of asphalt charged to the still during blowing without a catalyst and when No. 6 fuel oil is fired in the afterburner; and
 - v. Exhaust gases with an opacity greater than 0 percent unless an opacity limit for the blowing still when fuel oil is used to fire the afterburner has been established by the Administrator in accordance with the procedures in 40 CFR 60.474(k).
- c. Any asphalt storage tank exhaust gases with opacity greater than 0 percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. The control device shall not be bypassed during this 15 minute period. If, however, the emissions from any asphalt storage tank(s) are ducted to a control device for a saturator, the combined emissions shall meet the emission limit contained in paragraph a. of this section during the time the saturator control device is operating. At any other time the asphalt storage tank(s) must meet the opacity limit specified above for storage tanks.
- d. Any mineral handling and storage facility emissions with opacity greater than 1 percent.

- 3.3.2 The Permittee shall comply with the provisions of 40 CFR 60 Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*, for all subject equipment. In particular, for sources subject to the provisions of Subpart Dc, the Permittee shall not discharge or cause the discharge into the atmosphere any gases that exhibit 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]

3.4 Equipment SIP Rule Standards

- 3.4.1 The Permittee shall not cause, let, suffer, permit or allow the emissions into the atmosphere from any stack, unless otherwise limited any gases the opacity of which is equal to or greater than 40 percent.
[391-3-1-.02(2)(b)]
- 3.4.2 The Permittee shall not cause, let, suffer, permit, or allow the emission from any source, particulate matters (PM) in total quantities equal to or exceeding the allowable rate as calculated using the applicable equation below, unless otherwise specified in this Permit.
[391-3-1-.02(2)(e)]

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- a. For equipment in operation or extensively altered after July 2, 1968:
 - i. $E = 4.1P^{0.67}$, for process input weight rate up to and including 30 tons per hour;
 - ii. $E = 55P^{0.11} - 40$, for process input weight rate in excess of 30 tons per hour.
- b. For equipment in operation or under construction contract on or before July 2, 1968:
 $E = 4.1P^{0.67}$

Where:

E = allowable emission rate in pounds per hour;

P = process input weight rate in tons per hour.

3.4.3 The Permittee shall not cause, let, suffer, permit, or allow any emissions from:

- a. Fuel-burning equipment in operation or under construction on or before January 1, 1972.
 - i. Contain fly ash and/or other particulate matter in amounts equal to or exceeding 0.7 pounds per million BTU heat input for equipment with a rated capacity of less than 10 million BTU heat input per hour.
[391-3-1-.02(2)(d)1.(i)]
 - ii. Contain fly ash and/or other particulate matter in amounts equal to or exceeding the rate derived from $P = 0.7(10/R)^{0.202}$ where R equals heat input rate in million BTU per hour and P equals the allowable emission rate in pounds per million BTU for equipment with a rated capacity equal to or greater than 10 million BTU heat input per hour, and equal to or less than 2,000 million BTU heat input per hour.
[391-3-1-.02(2)(d)1.(ii)]
- b. Fuel-burning equipment constructed after January 1, 1972:
 - i. Contain fly ash and/or other particulate matter in amounts equal to or exceeding 0.5 pounds per million BTU heat input for equipment with a rated capacity of less than 10 million BTU heat input per hour.
[391-3-1-.02(2)(d)2.(i)]
 - ii. Contain fly ash and/or other particulate matter in amounts equal to or exceeding 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 for equipment with a rated capacity equal to or greater than 10 million BTU heat input per hour, and equal to or less than 250 million BTU heat input per hour.
[391-3-1-.02(2)(d)2.(ii)]

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- iii. Exhibit visible emissions, the opacity of which is equal to or greater than 20 percent except for one six minute period per hour of not more than 27 percent opacity.
[391-3-1-.02(2)(d)3.]

3.4.4 The Permittee shall not:

- a. Burn fuel containing more than 2.5 percent sulfur, by weight, in fuel burning sources having a heat input below 100 MM Btu/hr, unless otherwise specified by the Director.
[391-3-1-.02(2)(g)2.]
- b. Burn fuel containing more than 3 percent sulfur, by weight, in fuel burning sources having a heat input of 100 MM Btu/hr or greater, unless otherwise specified by the Director.
[391-3-1-.02(2)(g)2.]

3.4.5 The Permittee shall fire only natural gas, LPG or propane in the fuel-burning equipment subject to the provisions of Georgia Air Quality Control Rule 391-3-1-.02(2)(rrr), *NO_x Emissions from Small Fuel-Burning Equipment*, that is not equipped to fire LPG or propane, the Permittee shall be excused from this requirement only during periods of natural gas curtailment as defined in 391-3-1-.02(2)(rrr)5.
[391-3-1-.02(2)(rrr)]

3.4.6 The Permittee shall comply with the provisions of Georgia Air Quality Control Rule 391-3-1-.02(2)(ccc), *VOC Emissions from Bulk Mixing Tanks*; for all subject equipment. In particular, the Permittee shall not let, permit, suffer, or allow the operation of a mixing tank unless the following requirements for control of emissions of volatile organic compounds are satisfied:
[391-3-1-.02(2)(ccc)]

- a. All portable and stationary mixing tanks used for the manufacture of any VOC containing material shall be equipped with covers which completely cover the tank except for an opening no larger than necessary to allow for safe clearance of the mixer shaft. The tank opening shall be covered at all times except when operator access is necessary.
- b. Free fall of VOC containing material into product containers shall be accomplished by utilization of drop tubes, fill pipes or low-clearance equipment design on filling equipment unless demonstrated to the Division impractical for a specific operation.
- c. Detergents or non-VOC containing cleaners shall be utilized for both general and routine cleaning operations of floors, equipment, and containers unless the cleanup cannot be accomplished without the use of VOC containing cleaners.
- d. All waste solvents shall be stored in closed containers or vessels, unless demonstrated to be a safety hazard, and shall be disposed or reclaimed such solvents in a manner approved by the Division.

3.4.7 The Permittee shall comply with the provisions of Georgia Air Quality Control Rule 391-3-1-.02(2)(vv), *Volatile Organic Liquid Handling and Storage*; for all subject equipment. In particular, the Permittee shall not transfer or cause or allow the transfer of any volatile organic liquid other than gasoline from any delivery vessel into a stationary storage tank of greater than 4,000 gallons, unless the tank is equipped with submerged fill pipes.
[391-3-1-.02(2)(vv)]

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 all air pollutants emissions control devices at all times that associated equipment is being operated.
[391-3-1-.03(2)(c)]

3.5.2 The Permittee shall maintain sufficient number of spare filter media to ensure availability when replacement is needed.
[391-3-1-.03(2)(c)]

3.5.3 Routine maintenance shall be performed on all air pollution control equipment. The Permittee shall record and maintain records of routine maintenance in a form suitable for inspection or submittal to the Division.
[391-3-1-.03(2)(c)]

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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) and 40 CFR 63.7(b)(1)]
- 4.1.3 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division’s Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, 3.4 and 3.5 are as follows:
- a. Method 1 for selection of sampling site and number of traverse points.
 - b. Method 2 shall be used for the determination of stack gas flow rate.
 - c. Method 3 shall be used for the determination of stack gas molecular weight.
 - d. Method 4 shall be used for the determination of stack gas moisture.
 - e. Method 5T for the determination of Particulate Matter emissions from sources that are not subject to 40 CFR 60 Subpart UU.
 - f. Method 5A for the determination of Particulate Matter emissions from sources that are subject to 40 CFR 60 Subpart UU.
 - g. Method 9 and the procedures of Section 1.3 of the above referenced document shall be used for the determination of visible emissions.
 - h. Method 10 for the determination of carbon monoxide concentration.
 - i. Method 22 for the visual determination of fugitive emissions.
 - j. Method 25A for the determination of organic compounds.

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 In accordance with the applicable provisions of 40 CFR 60.8, for any equipment which is subject to the *New Source Performance Standards*, constructed or modified at the facility, the Permittee shall conduct a performance test within 60 days after achieving the maximum production rate at which the equipment will be operated, but no later than 180 days after initial startup, unless the equipment is specifically exempted from testing in the applicable Subpart of 40 CFR 60. The tests shall be conducted using the test methods and procedures specified in Condition 4.1.3. The specific pollutants, sample volumes, run times, and other testing parameters shall be as specified in the applicable Subpart of 40 CFR 60.

[40 CFR 60.8]

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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 monitoring devices for the measurement of 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 device to measure the temperature in the combustion zone of the Blow Still Afterburner (204).
- b. A device to measure the temperature at the inlet of each of Demisters Numbers 1 and 2 (ME1 and ME2).
- 5.2.2 The Permittee shall install, calibrate, maintain, and operate a device to measure the pressure drop across the filter and across the pre-filter of each of Demisters Numbers 1 and 2 (ME1 and ME2). And; once each day or portion of each day of operation, the Permittee shall read and record the pressure drop across the filter and pre-filter of each of Demisters Numbers 1 and 2 (ME1 and ME2).
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 5.2.3 The Permittee shall install, calibrate, maintain, and operate devices to measure the pressure drop across all baghouses controlling emissions from sources in this facility.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 5.2.4 The Permittee shall perform a check of visible emissions from all baghouses (including process baghouses) controlling emissions from sources listed in Section 3.1 of this permit, and from sources added or replaced in accordance with this permit and Rule 391-3-1-.03(6). Emission units monitored using COMs are exempt from this Condition. Additionally, baghouses controlling emissions from silos with dedicated bin vents, bucket elevators, screw conveyors, bagging operations, and pneumatic conveyors are exempt from this Condition provided those baghouses and respective emission units are not subject to CAM per Condition 5.2.11. The Permittee shall retain a record in a daily visible emissions (VE) log suitable for inspection or submittal. The check shall be conducted at least once for each day or portion of each day of operation using procedures a through d below except when

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atmospheric conditions or sun positioning prevent any opportunity to perform the daily VE check. Any operational day when atmospheric conditions or sun position prevent a daily reading shall be reported as monitor downtime in the report required by Condition 6.1.4.

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

- a. Determine, in accordance with the procedures specified in paragraph d of this condition, if visible emissions are present at the discharge point to the atmosphere from each of the sources and record the results in the daily (VE) log. For sources that exhibit visible emissions, the Permittee shall comply with paragraph b or c of this condition.
- b. For each source determined to be emitting visible emissions, a qualified observer the Permittee shall determine whether the emissions equal or exceed the opacity action level. For the purposes of this condition, a qualified observer is one who is currently certified in accordance with the certification requirements of Method 9 - *Visual Determination of the Opacity of Emissions from Stationary Sources*. The determination shall cover a period of three minutes. The opacity action level is 5 percent for baghouses subject to NSPS and the opacity action level is 10% for all other baghouses. The results shall be recorded in the daily (VE) log. For sources that exhibit visible emissions of greater than or equal to the opacity action level, the Permittee shall comply with paragraph c of this condition.
- c. For each source that requires action in accordance with paragraphs a. or b. of this condition, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the excursion visible emissions, the pressure drop, any other pertinent operating parameters, and the corrective action taken in the maintenance log.
- d. The person performing the determination shall stand at a distance of at least 15 feet which is sufficient to provide a clear view of the plume against a contrasting background with the sun in the 140° sector at his/her back. Consistent with this requirement, the determination shall be made from a position such that the line of vision is approximately perpendicular to the plume direction. Only one plume shall be in the line of sight at any time when multiple stacks are in proximity to each other.

5.2.5 The Permittee shall maintain a Preventive Maintenance Program for the baghouses specified in Condition 5.2.4 to assure that the provisions of Condition 8.17.1 are met. All QA/QC practices and criteria shall be stated in the Preventive Maintenance Program. The program shall be subject to review and, if necessary to assure compliance, modification by the Division and shall include the pressure drop ranges that indicate proper operation for each baghouse. At a minimum, the following operation and maintenance checks shall be made on at least a weekly basis, and a record of the findings and corrective actions taken shall be kept in a maintenance log:

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

- a. Record the pressure drop across each baghouse and ensure that it is within the appropriate range.

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- b. For baghouses equipped with compressed air cleaning systems, check the system for proper operation. This may include checking for low pressure, leaks, proper lubrication, and proper operation of timer and valves.
- c. For baghouses equipped with reverse air cleaning systems, check the system for proper operation. This may include checking damper, bypass, and isolation valves for proper operation.
- d. For baghouses equipped with shaker cleaning systems, check the system for proper operation. This may include checking the shaker mechanism for loose or worn bearings, drive components, and mounting; proper operation of outlet/isolation valves; and proper lubrication.
- e. Check dust collector hoppers and conveying systems for proper operation.

5.2.6 Once each day or portion of each day of operation, the Permittee shall inspect all emission points from the emission units listed in Table 3.1 for which no air pollution control device (APCD) is utilized and all emission points from emission units added or replaced in accordance with the provisions of Condition 7.1.2 for which no APCD is utilized. Emission units monitored in accordance with Condition 5.2.1 are exempt from this Condition. The inspection shall be conducted by performing a walk through of the facility and noting the occurrence of the following in a daily (VE) log:

- a. Any visible emissions. The visible emission check may be performed on the building containing the emission unit or directly on the emission unit.
- b. Any mechanical failure or malfunction that results in increased air emissions.

For each emission point noted with visible emissions, mechanical problems or malfunctions, the Permittee shall take corrective action in the most expedient manner possible and re-inspect the unit within 24 hours to verify that no visible emissions exist. Failure to eliminate the visible emissions or to correct the mechanical failure or malfunction specified in paragraph a and paragraph b within 24 hours shall constitute an excursion. [391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.7 The Permittee shall monitor monthly usage of all VOC containing materials and each type of fuel burned in fuel-burning sources to obtain data sufficient to determine compliance with limits in Condition 2.1.1 and Section 3.2 using means such as: [391-3-1-.02(6)(b)1, 391-3-1-.03(2)(c) & 40 CFR 70.6(a)(3)(i)]

- a. Installing, calibrating, maintaining and operating fuel consumption meters.
- b. Monitoring the accumulation of hours of operation of NO_x and VOC emitting sources.

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- 5.2.8 The Permittee shall perform an annual tune-up on equipment that is subject to Georgia Air Quality Control Rule 391-3-1-.02(2)(rrr), *NOx Emissions from Small Fuel-Burning Equipment*, using the following procedures:
[391-3-1-.02(2)(rrr)]
- a. The tune-up shall be performed no earlier than February 1 and no later than May 1 of each calendar year. Should an affected unit become operational during the ozone season for the first time, a tune-up shall be performed within the first 120 hours of operation of the unit.
 - b. The annual tune-up shall be performed using the manufacturer's recommended settings for reduced Nitrogen Oxides (NOx) emissions, or using a NOx analyzer, so that NOx emissions are minimized in a manner consistent with good combustion practices and safe fuel-burning equipment operation.
 - c. If the Permittee elects to use a NOx analyzer, measurements of NOx and oxygen shall be conducted using the procedures of ASTM D 6522 Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Emissions from Natural Gas-Fired Engines, Boilers and Process Heaters Using Portable Analyzers. The duration of each measurement shall be for a minimum of 30 minutes. In lieu of using the procedures of ASTM D 6522, measurements of Nitrogen Oxides and Oxygen can be made using the procedures of Methods 7E and 3A, respectively, or CTM030, listed in Condition 4.1.3.
 - d. During the tune-up, fuel-burning unit operating parameters shall be adjusted until NOx emissions are minimized. A minimum of three test runs is required to show that NOx emissions are minimized. These parameters shall include at least the following: the degree of staged combustion (i.e., the ratio of primary air to secondary air/tertiary air), and the level of excess air (i.e., flue gas oxygen level).
 - e. The Permittee shall maintain records of all tune-ups that are required to be performed by this condition. These records shall include the date and time the tune-up was performed, the burner settings which were determined to minimize NOx emissions, and an explanation regarding how those settings were determined. This information shall be kept as part of the tune-up, maintenance and adjustment records. All records required by this subparagraph shall be retained available for inspection or submittal either in written or electronic form.
 - f. Following the tune-up, during the ozone season each year, the Permittee shall operate each affected unit using the settings determined during the annual tune-up. If no parameters can be monitored to indicate the performance of a specific unit, the Permittee shall certify that no adjustments have been made to the unit by the Permittee and/or third party since the measurements as specified in Paragraph b. of this condition were conducted. This certification shall be made in writing, no later than October 15 of each year, and shall be maintained with the records required by Paragraph e. of this condition.

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- g. As an alternative to complying with the requirements in paragraphs a. through f., the Permittee may submit documentation no later than April 30 of each year confirming that an affected unit will not be operated during the ozone season. As a minimum, the documentation shall include the identification of the facility, the permit number, and the specific affected units that will not be operated.
- h. As an alternative to complying with the requirements in paragraphs a. through g., the Permittee may elect to comply with the requirements of Georgia Rule 391-3-1-.02(2)(yy).
- 5.2.9 The Permittee shall verify that each shipment of fuel oil received is distillate oil by obtaining fuel oil supplier certifications. Supplier certifications shall contain the name of the supplier and a statement from the supplier that the oil is distillate oil. For the purposes of this Condition, distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 and 2 as defined in ASTM D396.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 5.2.10 The Permittee shall comply with the detailed monitoring provisions of 40 CFR 60 Subpart UU, *Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture*, for all subject equipment. In particular,
[391-3-1-.02(6)(b)1 and 40 CFR 60.473]
- a. The Permittee using either an electrostatic precipitator or a high velocity air filter to meet the emission limits in this Subpart shall continuously monitor and record the temperature of the gas at the inlet of the control device. The temperature monitoring instrument shall have an accuracy of ± 15 °C (± 25 °F) over its range.
- b. The Permittee using an afterburner to meet the emission limits in this Subpart shall continuously monitor and record the temperature in the combustion zone of the afterburner. The monitoring instrument shall have an accuracy of ± 10 °C (± 18 °F) over its range.
- c. The Permittee using a control device not mentioned in a. or b. of this condition shall provide to the Division information describing the operation of the control device and the process parameter(s) which would indicate proper operation and maintenance of the device. The Division may require continuous monitoring and will determine the process parameters to be monitored.
- d. The industry is exempted from the quarterly reports required under 40 CFR 60.7(c). The owner/operator is required to record and report the operating temperature of the control device during the performance test and, as required by 40 CFR 60.7(d), maintain a file of the temperature monitoring results for at least two years.

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5.2.11 The following pollutant specific emission units (PSEUs) are subject to the Compliance Assurance Monitoring (CAM) Rule in 40 CFR Part 64.

ID Code	Emission Unit	Pollutant
200	Felt Line Saturator	VOC & Particulate Matter
201	Roofing Saturator	
600	Asphalt Blow Still	
601	Asphalt Blow Still	
307	Filler Heater	Particulate Matter

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

[40 CFR Part 64]

5.2.12 The Permittee shall comply with the performance criteria listed in the table below for VOC and particulate matter emissions from the Felt Line Saturator (200) controlled by Demister ME1 and the Roofing Line Saturator (201) controlled by Demister ME2.

[40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	Indicator No. 1 Temperature	Indicator No. 2 Pressure Drop
A. Data Representativeness [64.3(b)(1)]	Temperature measured at the Inlet of the Demisters ME1 & ME2	Measure Pressure Drop across Demisters ME1 & ME2
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	Not Applicable.	Not Applicable.
C. QA/QC Practices and Criteria [64.3(b)(3)]	The temperature monitoring system must be certified by the manufacturer to be accurate within 5 percent for the maximum temperature rating for the Demister filter media. Installation and calibration is done in accordance with the manufacturer's recommendations.	Installation and calibration is done in accordance with the manufacturer's recommendations.
D. Monitoring Frequency [64.3(b)(4)]	Daily	Daily
E. Data Collection Procedures [64.3(b)(4)]	Manual readings and data recording in log suitable for inspection or submittal to the Division.	Manual readings and data recording in log suitable for inspection or submittal to the Division.
F. Averaging Period [64.3(b)(4)]	Not Applicable.	Not Applicable.

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5.2.13 The Permittee shall comply with the performance criteria listed in the table below for particulate matter emissions from Filler Heater (307) controlled by Baghouse (BV1).
[40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	Indicator No. 1 Visible Emissions	Indicator No. 2 Baghouse Inspection
A. Data Representativeness [64.3(b)(1)]	Visible emissions will be observed at the control device exhaust stack	Preventative Maintenance Program that includes checks as specified by Condition 5.2.4
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	Not Applicable.	Not Applicable.
C. QA/QC Practices and Criteria [64.3(b)(3)]	If VE detected, emissions will be reevaluated by a qualified observer. A qualified observer shall be one who has met the certification requirements in Method 9 - <i>Visual Determination of Opacity of Emissions from Stationary Sources</i> .	Specific QA/QC practices and criteria will be specified in the Preventive Maintenance Program required by Condition 5.2.4
D. Monitoring Frequency [64.3(b)(4)]	Once per day or portion of day of the emission unit is operated.	At least once each week
Data Collection Procedures [64.3(b)(4)]	Visual readings manually recorded in a daily visible emissions (VE) log suitable for inspection or submittal to the Division.	Manual readings and data logging
Averaging Period [64.3(b)(4)]	Three-minute average	Not Applicable.

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- 5.2.14 The Permittee shall comply with the performance criteria listed in the table below for VOC and particulate matter emissions from Blowing Stills (600 & 601) controlled by Blowing Still Afterburner (204).
[40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	Indicator No. 1 Temperature
A. Data Representativeness [64.3(b)(1)]	Measure temperature in the combustion zone of the Blow Still Afterburner (204)
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	Not Applicable.
C. QA/QC Practices and Criteria [64.3(b)(3)]	Calibrate temperature monitor annually.
D. Monitoring Frequency [64.3(b)(4)]	Temperature is monitored continuously.
Data Collection Procedures [64.3(b)(4)]	Temperature is measured and recorded continuously.
Averaging Period [64.3(b)(4)]	Measure and record 3 hours average.

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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)

i. None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any twelve-month rolling total period during which:

(A) Nitrogen oxides (NO_x) and/or Volatile organic compounds (VOC) is/are emitted to the atmosphere in amounts equal to or in excess of 50 or 41.2 tons, respectively.

(B) Fuel oil combusted in the plant exceeds one million gallons.

ii. Any incident of combustion of fuel oil, in any fuel-burning source, that does not meet specification for fuel oil numbers 1 and 2 as defined by ASTM D396, *Standard Specifications of Fuel Oils*.

iii. Any hour during which the Felt Mill production rate exceeds 6.67 tons.

iv. Any time raw wood other than kiln-dried sawdust and/or wood shavings is used in the felt production.

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 three-hour average temperature in the combustion zone of the Blow Still Afterburner (204) that is less than 1500⁰ F.

ii. Any inlet temperature to each of Demisters (ME1 & ME2) that is greater than 150⁰ F.

iii. Any pressure drop across each of Demisters (ME1 & ME2) that is outside the range of 6 to 13 inches of water.

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- iv. For the sources specified in Condition 5.2.4, any two consecutive required daily determinations of visible emissions for which either visible emissions are present or are above the opacity action level, whichever is applicable.
- v. Any visible emissions or mechanical failure or malfunction discovered during the walk through described in Condition 5.2.5 that are not eliminated or corrected within 24 hours of first discovering the visible emissions or mechanical failure or malfunction.
- vi. Any weekly inspection of a baghouse as required by Condition 5.2.5 revealing a problem that is not resolved in accordance with the maintenance program.
- vii. Any failure to conduct the tune-up required by Condition 5.2.8, or any operation of any fuel-burning equipment subject to Georgia Air Quality Control Rule 391-3-1-.02(2)(rrr), *NOx Emissions from Small Fuel-Burning Equipment*, during the ozone season (May 1 - September 30), reported to not be operated in accordance with Condition 5.2.8.
- viii. Any use of a fuel other than natural gas, LPG or Propane during the ozone season in any fuel burning equipment subject to Georgia Air Quality Control Rule 391-3-1-.02(2)(rrr), *NOx Emissions from Small Fuel-Burning Equipment*, without a declaration of natural gas curtailment.

6.2 Specific Record Keeping and Reporting Requirements

- 6.2.1 The Permittee shall maintain separate monthly usage records of all volatile organic compounds (VOC) containing materials and each type of fuel burned in fuel-burning sources. These records shall contain data sufficient to determine compliance with the limits in Condition 2.1.1 and Section 3.2. All usage calculations shall be kept as part of the monthly records. These records shall be kept available for inspection or submittal for five (5) years from the date of record. Also, where such performance specification(s) exist, each system shall show all periods of operation and meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1, 391-3-1-.03(2)(c), 40 CFR 70.6(a)(3)(i)]
- 6.2.2 As part of the semiannual reports required by Condition 6.1.4, the Permittee shall:
[391-3-1-.02(6)(b)1, 40 CFR 70.6(a)(3)(i) and 40 CFR 60.48c(e)(11)]
 - a. Calculate and report the twelve month rolling total actual emissions of volatile organic compounds and nitrogen oxides from the entire facility for each of the semiannual periods ending June 30 and December 31 of each year. The report shall contain detailed calculations showing the emissions factors, source of the emissions factors, and calculations methodologies used in estimating said emissions.
 - b. Report the twelve month rolling total amount fuel oil and natural gas combusted in the entire facility for each of the semiannual periods ending June 30 and December 31 of each year. The report shall be prepared from the records retained in accordance with Condition 6.2.1.

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- c. Submit a certified statement, from a Responsible Official, testifying as to whether the records of fuel supplier certifications of fuel oil combusted during the semiannual period are in compliance with limitations of Condition 3.2.3. If no fuel oil was combusted during the semiannual period, the report should so state. If fuel oil is combusted in Felt Mill Boiler No. 1 or No. 2 (B01 or B02) during the quarters ending March 31 and September 30, a report is also required covering the quarter and shall be postmarked by the 30th day following the end of the quarter (April 30 and October 30, respectively).
- 6.2.3 The Permittee shall notify the Division in writing if the rolling total emissions of nitrogen oxides or volatile organic compounds equal or exceed the limits set in Condition 2.1.1. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the limits stated in Condition 2.1.1.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 6.2.4 The Permittee shall record and maintain records of the amounts of fuel combusted each month in Felt Mill Boiler No. 1 (B01) and Felt Mill Boiler No. 2 (B02).
[40 CFR 60.48c(g) and Alternate Fuel Usage Recordkeeping Frequency for Dc boilers approved by U.S. EPA Region 4; August 14, 1996]
- 6.2.5 In addition to complying with the applicable *General Provisions* of 40 CFR 60, *Standards of Performance for New Stationary Sources*, the Permittee shall comply with the detailed notification, reporting, and recordkeeping requirements of 40 CFR 60 Subpart UU, *Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture*, and 40 CFR 60 Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*, for all subject equipment.
[391-3-1-.02(6)(b)1 and 40 CFR 60.7, 60.48(c) & 60.735]
- 6.2.6 The Permittee shall maintain a record of all actions taken in accordance with Section 8.22 to suppress fugitive dust from roads, storage piles, or any other source of fugitive dust. Such records shall include the date and time of occurrence and a description of the actions taken.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

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]

Not 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)]

Not Applicable.

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7.6 Short-term Activities

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

Not 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)]

Not Applicable.

7.9 Acid Rain Requirements

Not 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 using RMP*eSubmit (information for establishing an account can be found at www.epa.gov/emergencies/content/rmp/rmp_esubmit.htm). Electronic Signature Agreements should be mailed to:

MAIL

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

COURIER & FEDEX

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

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

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

- 7.11.1 If the Permittee performs any of the activities described below or as otherwise defined in 40 CFR Part 82, the Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliance must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to 40 CFR 82.166.
[Note: "MVAC-like appliance" is defined in 40 CFR 82.152.]
 - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- 7.11.2 If the Permittee performs a service on motor (fleet) vehicles and if this service involves an ozone-depleting substance (refrigerant) in the MVAC, the Permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B

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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
2952-151-0009-V-02-0	May 24, 2006

7.13 Pollution Prevention

None applicable.

7.14 Specific Conditions

None applicable.

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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 (Savannah Office)
6555 Abercorn Street, Suite 130
Savannah, Georgia 31405**

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

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

- 8.8.3 Any application form, report, or compliance certification submitted pursuant to this Permit shall contain a certification by a responsible official of its truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

[391-3-1-.03(10)(c)2, 40 CFR 70.5(d) and 40 CFR 70.6(c)(1)]

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

8.9 Duty to Provide Information

- 8.9.1 The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the Permit application, shall promptly submit such supplementary facts or corrected information to the Division.

[391-3-1-.03(10)(c)5]

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

8.10 Modifications

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

8.11 Permit Revision, Revocation, Reopening and Termination

- 8.11.1 This Permit may be revised, revoked, reopened and reissued, or terminated for cause by the Director. The Permit will be reopened for cause and revised accordingly under the following circumstances: [391-3-1-.03(10)(d)1(i)]
- a. If additional applicable requirements become applicable to the source and the remaining Permit term is 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)]
 - 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)]

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8.12 Severability

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

8.13 Excess Emissions Due to an Emergency

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

demonstrates, through properly signed contemporaneous operating logs or other relevant evidence, that:

[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.

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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 to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred;

- c. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period;
- d. Any other information that must be included to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information; and
- e. Any additional requirements specified by the Division.

8.14.2 Inspection and Entry

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

8.14.3 Schedule of Compliance

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

[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(C)]

8.14.4 Excess Emissions

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

8.15 Circumvention

State Only Enforceable Condition.

- 8.15.1 The Permittee shall not build, erect, install, or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of the pollutants in the gases discharged into the atmosphere.
[391-3-1-.03(2)(c)]

8.16 Permit Shield

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

8.17 Operational Practices

- 8.17.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate the source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on any information available to the Division that may include, but is not limited to, monitoring results, observations of the opacity or other characteristics of emissions, review of operating and maintenance procedures or records, and inspection or surveillance of the source.
[391-3-1-.02(2)(a)10]

State Only Enforceable Condition.

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

8.18 Visible Emissions

- 8.18.1 Except as may be provided in other provisions of this Permit, the Permittee shall not cause, let, suffer, permit or allow emissions from any air contaminant source the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)1]

8.19 Fuel-burning Equipment

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

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

8.20 Sulfur Dioxide

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

8.21 Particulate Emissions

- 8.21.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, let, permit, suffer, or allow the rate of emission from any source, particulate matter in total quantities equal to or exceeding the allowable rates shown below. Equipment in operation, or under construction contract, on or before July 2, 1968, shall be considered existing equipment. All other equipment put in operation or extensively altered after said date is to be considered new equipment.
[391-3-1-.02(2)(e)]

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

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

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

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

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

8.22 Fugitive Dust

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

- 8.22.1 Except as may be specified in other provisions of this Permit, the Permittee shall take all reasonable precautions to prevent dust from any operation, process, handling, transportation or storage facility from becoming airborne. Reasonable precautions that could be taken to prevent dust from becoming airborne include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;

- b. Application of asphalt, water, or suitable chemicals on dirt roads, materials, stockpiles, and other surfaces that can give rise to airborne dusts;
- c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods can be employed during sandblasting or other similar operations;
- d. Covering, at all times when in motion, open bodied trucks transporting materials likely to give rise to airborne dusts; and
- e. The prompt removal of earth or other material from paved streets onto which earth or other material has been deposited.

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

8.23 Solvent Metal Cleaning

8.23.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, suffer, allow, or permit the operation of a cold cleaner degreaser unless the following requirements for control of emissions of the volatile organic compounds are satisfied: [391-3-1-.02(2)(ff)1]

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

8.24 Incinerators

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

8.25 Volatile Organic Liquid Handling and Storage

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

8.26 Use of Any Credible Evidence or Information

- 8.26.1 Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit, for the purpose of submission of compliance certifications or establishing whether or not a person has violated or is in violation of any emissions limitation or standard, nothing in this permit or any Emission Limitation or Standard to which it pertains, shall preclude the use, including the exclusive use, of any credible evidence or information,

relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.
[391-3-1-.02(3)(a)]

8.27 Diesel-Fired Internal Combustion Engines

8.27.1 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 IIII-"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.

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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

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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	
Combustion Equipment	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	
	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).	
	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.	
Trade Operations	1. Brazing, soldering, and welding equipment, and cutting torches related to manufacturing and construction activities whose emissions of hazardous air pollutants (HAPs) fall below 1,000 pounds per year.	1
Maintenance, Cleaning, and Housekeeping	1. Blast-cleaning equipment using a suspension of abrasive in water and any exhaust system (or collector) serving them exclusively.	
	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.	2
	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.	1
	2. Research and development facilities, quality control testing facilities and/or small pilot projects, where combined daily emissions from all operations are not individually major or are support facilities not making significant contributions to the product of a collocated major manufacturing facility.	1
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.	
	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.	
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. 	
	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.	1
	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.	

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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.	
	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.	2
	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.	1
	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.	
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	
	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).	

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INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
None.	

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Atlas Roofing Corporation, Hampton Plant

Permit No.: 2952-151-0009-V-03-0

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)
Granule Handling	3	x	x	x
Fuel Oil Storage	2		x	

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

Description of Fuel Burning Equipment	Number of Units
Fuel burning equipment with a rated heat input capacity of less than 10 million BTU/hr burning only natural gas and/or LPG.	0
Fuel burning equipment with a rated heat input capacity of less than 5 million BTU/hr, burning only distillate fuel oil, natural gas and/or LPG.	6
Any fuel burning equipment with a rated heat input capacity of 1 million BTU/hr or less.	0

ATTACHMENT C

LIST OF REFERENCES

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