Part 70 Operating Permit Amendment

Permit Amendment No.: **2621-103-0007-V-02-1** **Effective Date:**

Facility Name: **Georgia-Pacific Corporation – Savannah River Mill**
393 Fort Howard Road
Rincon, Georgia 31326 (Effingham County)

Mailing Address: P.O. Box 828
Rincon, Georgia 31326-0828

Parent/Holding Company: Georgia-Pacific Corporation, dba For James Operating Company

Facility AIRS Number: 04-13-103-00007

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 construction permit for:

> Modifications to increase production on all paper machines, including the addition of new low-NOx natural gas-fired burners in the hood sections of Nos. 17 and 18.

This Permit Amendment 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 Amendment and Permit No. 2621-103-0007-V-02-0. Unless modified or revoked, this Permit Amendment expires upon issuance of the next Part 70 Permit for this source.

This Permit Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. 15491 dated July 15, 2004 and January 19, 2005; any other applications upon which this Permit Amendment or Permit No. 2621-103-0007-V-02-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **26** pages, which pages are a part of this Permit Amendment, and which hereby become part of Permit No. 2621-103-0007-V-02-0.

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

Modifications to increase production on all paper machines, including the addition of new low-NO_X natural gas-fired burners in the hood sections of Nos. 17 and 18.

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.

3.1.1 Emission Units†

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
BO01	Circulating Fluidized Bed Boiler #3	40 CFR 52.21, 40 CFR 60 Subpart D, 40 CFR 60 Subpart Db, 40 CFR 63 Subpart DDDDD, 391-3-1-.02(2)(d), 391-3-1-.02(2)(g)	3.3.1, 3.3.3, 3.3.4, 3.3.7 through 3.3.9, 3.3.12, 3.3.19, 3.3.26, 3.3.27, 3.4.1, 3.4.2, 4.2.3, 4.2.5, 5.2.1, 5.2.6 through 5.2.8, 5.2.10, 5.2.11, 5.3.1, 5.3.3, 5.3.4, 6.1.7, 6.2.1, 6.2.3, and 6.2.4*	LS01, BH01	Lime Injection, Baghouse
BO02	Fluidized Bed Boiler #4	40 CFR 52.21, 40 CFR 60 Subpart Db, 40 CFR 63 Subpart DDDDD, 391-3-1-.02(2)(d), 391-3-1-.02(2)(g)	3.3.1, 3.3.4, 3.3.7, 3.3.8, 3.3.10, 3.3.12, 3.3.19, 3.3.26, 3.3.27, 3.4.3, 4.2.2, 4.2.3, 4.2.5, 5.2.1, 5.2.4 through 5.2.6, 5.2.8, 5.2.10, 5.2.11, 5.3.1 through 5.3.3, 5.3.5, 6.1.7, 6.2.1, and 6.2.3*	LS02, BH02	Lime Injection, Baghouse
BO03	Circulating Fluidized Bed Boiler #5	40 CFR 52.21, 40 CFR 60 Subpart Db, 40 CFR 63 Subpart DDDDD, 391-3-1-.02(2)(d), 391-3-1-.02(2)(g)	3.3.1, 3.3.4, 3.3.7, 3.3.8, 3.3.10, 3.3.12, 3.3.19, 3.3.26, 3.3.27, 3.4.1, 3.4.2, 4.2.2, 4.2.3, 4.2.5, 5.2.1, 5.2.4 through 5.2.6, 5.2.8, 5.2.10, 5.2.11, 5.3.1 through 5.3.3, 5.3.5, 6.1.7, 6.2.1, 6.2.3, and 6.2.4*	LS03, BH03	Lime Injection, Baghouse
CT01 CT02	Combustion Turbine #1 Combustion Turbine #2	40 CFR 52.21, 40 CFR 60 Subpart GG, 391-3-1-.02(2)(d), 391-3-1-.02(2)(g)	3.2.1, 3.3.1, 3.3.5, 3.3.14, 3.3.19, 3.3.25, 3.4.4, 3.4.7, 4.2.1, 5.2.2, 5.2.8, 5.2.9, 5.3.3, 5.3.6, 6.1.7, 6.2.1 through 6.2.3, and 6.2.11*	None	None
WH01 WH02	Waste Heat Recovery Boiler #1 Waste Heat Recovery Boiler #2	40 CFR 52.21, 40 CFR 63 Subpart DDDDD, 391-3-1-.02(2)(d), 391-3-1-.02(2)(g)	3.3.19, 3.3.25, 3.3.26, 3.3.27, 3.4.4, 3.4.6, 3.4.7, 5.2.8, 5.2.9, 5.3.3, 5.3.6, 6.1.7, 6.2.1, and 6.2.3*	None	None
PM01	Paper Machine #16 including chemical additives, solvent cleaning, and dryer burner emissions	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 391-3-1-.02(2)(g)	3.3.16, 3.3.21, 3.3.24, 3.4.5, 3.4.8 through 3.4.10, 5.2.8, 6.1.7, 6.2.3, 6.2.9, 6.2.10, and 6.2.13 through 6.2.16*	None	None

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
PM02	Paper Machine #17 including chemical additives, solvent cleaning, and dryer burner emissions	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 391-3-1-.02(2)(g)	3.3.16, 3.3.21, 3.3.23, 3.3.24, 3.4.5, 3.4.8 through 3.4.10, 4.2.6, 5.2.8, 6.1.7, 6.2.3, 6.2.9, 6.2.10, and 6.2.13 through 6.2.16*	None	None
PM03	Paper Machine #18 including chemical additives, solvent cleaning, and dryer burner emissions	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 391-3-1-.02(2)(g)	3.3.16, 3.3.21, 3.3.23, 3.3.24, 3.4.5, 3.4.8 through 3.4.10, 4.2.6, 5.2.8, 6.1.7, 6.2.3, 6.2.9, 6.2.10, and 6.2.13 through 6.2.16*	None	None
PM04	Paper Machine #19 including chemical additives, solvent cleaning, and dryer burner emissions	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 391-3-1-.02(2)(g)	3.3.16, 3.3.21, 3.3.24, 3.4.5, 3.4.8 through 3.4.10, 5.2.8, 5.2.13, 6.1.7, 6.2.3, 6.2.9, 6.2.10, and 6.2.13 through 6.2.16*	SB04	Venturi Scrubber
PM05	Paper Machine #20 including chemical additives, solvent cleaning, and dryer burner emissions	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 391-3-1-.02(2)(g)	3.3.16, 3.3.21, 3.3.22, 3.4.5, 3.4.8 through 3.4.10, 5.2.8, 5.2.13, 6.1.7, 6.2.3, 6.2.9, 6.2.10, 6.2.14, 6.2.15, and 6.2.16*	SB03 SB05	Venturi Scrubber
CA15	Chlor-Alkali Plant	40 CFR 52.21, 391-3-1-.02(2)(a)3(ii)	3.3.34, 3.3.35, 5.2.3, and 6.1.7*	SB01 SB02	Brine Dechlorinator Scrubber Absorber/Bleach Tanks Scrubber
PULP	Pulp Processing Area	40 CFR 52.21	3.3.16, 6.1.7, 6.2.9, 6.2.10, and 6.2.14*	None	None
FP04 FP05 FP06 FP08	System 1, Bleaching System 2, Bleaching System 3, Bleaching System 4, Bleaching	40 CFR 52.21	3.3.16, 6.1.7, 6.2.9, 6.2.10, and 6.2.14*	None	None
FX01 FX02 FX03 FX05 FX06	Flexographic Printer #1 Flexographic Printer #2 Flexographic Printer #3 Flexographic Printer #5 Flexographic Printer #6	40 CFR 63 Subpart KK	3.3.2, 3.3.6, 3.3.15, 3.3.26, 6.1.7, and 6.2.12*	None	None
NP01	Napkin Printer	None	None*	None	None
CONV	Converting Department (with Trim Line Collection System)	40 CFR 52.21 40 CFR 63 Subpart JJJJ	3.3.26, 3.3.28, 5.2.8, 5.2.12, 6.1.7, and 6.2.14 through 6.2.17*	SB06 SB07	Venturi scrubbers
SHS	Solid Fuel and Limestone Handling System	40 CFR 52.21 40 CFR 60 Subpart Y 40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	3.3.1, 3.3.29 through 3.3.33, and 3.4.10*	N/A	N/A
AS01	Ash Silo for BO01	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-04	Baghouse
AS01	Ash Silo for BO01	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-05	Baghouse
AS02	Ash Silo for BO02	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-06	Baghouse
AS02	Ash Silo for BO02	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-07	Baghouse
AS02	Ash Silo for BO02	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-08	Baghouse
AS03	Ash Silo for BO03	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-09	Baghouse

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
AS03	Ash Silo for BO03	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-10	Baghouse
FS01	Coal/Pet Coke Silo # 1 for BO01	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-11	Baghouse
FS02	Coal/Pet Coke Silo # 2 for BO01	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-12	Baghouse
FS03	Coal/Pet Coke Silo # 3 for BO01	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-13	Baghouse
LIME01	Limestone Silo for BO01	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-14	Baghouse
FS04	Coal/Pet Coke Silo # 1 for BO02	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-15	Baghouse
FS05	Coal/Pet Coke Silo # 2 for BO02	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-16	Baghouse
FS06	Coal/Pet Coke Silo # 3 for BO02	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-17	Baghouse
FS07	Coal/Pet Coke Silo # 4 for BO02	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-18	Baghouse
LIME02	Limestone Silo for BO02	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-19	Baghouse
FS08	Coal/Pet Coke Silo # 1 for BO03	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-20	Baghouse
FS09	Coal/Pet Coke Silo # 2 for BO03	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-21	Baghouse
FS10	Coal/Pet Coke Silo # 3 for BO03	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29, 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-22	Baghouse
LIME03	Limestone Silo for BO03	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-23	Baghouse
FD01	Fuel dryer for Coal/Pet Coke Silo # 1 for B002	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29 through 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-24	Baghouse
FD02	Fuel dryer for Coal/Pet Coke Silo # 2 for B002	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29 through 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-25	Baghouse
FD03	Fuel dryer for Coal/Pet Coke Silo # 3 for B002	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29 through 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-26	Baghouse
FD04	Fuel dryer for Coal/Pet Coke Silo # 4 for B002	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 60 Subpart Y	3.3.1, 3.3.29 through 3.3.31, 3.4.9, 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-27	Baghouse
SBV1	Sand Bin Vent for Boiler BO01	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9. 3.4.10, 5.2.10, 5.2.11, and 6.1.7*	BH-28	Baghouse

* Generally applicable requirements contained in this permit may also apply to emission units listed above.
† Table 3.1.1 replaces Tables 3.1 found in Air Quality Permit No. 2621-103-0007-V-02-0.

3.3 Equipment Federal Rule Standards

3.3.4 The Permittee shall comply with all applicable provisions of 40 CFR 60 Subpart Db – "Standards of Performance for New Stationary Industrial-Commercial-Institutional Steam Generating Units" for the Circulating Fluidized Bed Boiler Nos. 3 and 5 and Fluidized Bed Boiler No. 4 (Source Codes: BO01, BO02, and BO03).
[40 CFR 60 Subpart Db]

3.3.6 The Permittee shall comply with applicable provisions of 40 CFR 63 Subpart KK – "National Emission Standards for the Printing and Publishing Industry" for the Flexographic Printers Nos. 1, 2, 3, 5, and 6 (Source Codes: FX01, FX02, FX03, FX05, and FX06).
[40 CFR 63 Subpart KK]

3.3.8 The Permittee shall not discharge or cause the discharge into the atmosphere from the Circulating Fluidized Bed Boiler Nos. 3 and 5 and Fluidized Bed Boiler No. 4 (Source Codes: BO01, BO02, and BO03) any gases which exhibit greater than twenty (20) percent opacity except for one six-minute period per hour of not more than twenty-seven (27) percent opacity.
[40 CFR 60 Subpart Db; 40 CFR 60.43b(f); 391-3-1-.02(2)(d)3]

3.3.9 The Permittee shall not discharge or cause the discharge into the atmosphere from the Circulating Fluidized Bed Boiler No. 3 (Source Code: BO01) any gases which contain sulfur dioxide in excess of the following rates:
[40 CFR 52.21, 40 CFR 60 Subpart D; 40 CFR 60.43(a)(2); 391-3-1-.02(2)(g)1(ii)]

a. 1.2 pounds per million BTU heat input; or

b. 491.4 pounds per hour (daily average).

3.3.10 The Permittee shall not discharge or cause the discharge into the atmosphere from the Fluidized Bed Boiler No. 4 and Circulating Fluidized Bed Boiler No. 5 (Source Codes: BO02 and BO03) any gases which contain sulfur dioxide in excess of:
[40 CFR 52.21, 40 CFR 60.42b(a); 391-3-1-.02(2)(g) subsumed]

a. 10 percent of the potential sulfur dioxide emission rate (90 percent reduction) and which contain sulfur dioxide in excess of the emission limit determined according to the following formula:

$$ES = (1.2H_a + 0.8\ H_b)/H_a + H_b$$

Where:
ES = SO_2 emission limit in pounds per million BTU heat input
H_a = heat input from the combustion of coal in million BTU
H_b = heat input from the combustion of fuel oil in million BTU

b. 381.5 pounds per hour (daily average).

3.3.11 Deleted.

3.3.12 The Permittee shall not discharge or cause the discharge into the atmosphere from the Circulating Fluidized Bed Boiler Nos. 3 and 5 and Fluidized Bed Boiler No. 4 (Source Codes: BO01, BO02, and BO03) any gases which contain nitrogen oxides in excess of 0.4 pounds per million BTU heat input.
[40 CFR 52.21; 40 CFR 60 Subpart Db; 40 CFR 60.44b(a)(3)(ii)]

3.3.13 Deleted.

3.3.15 The Permittee shall comply with the provisions of 40 CFR 63.821(b)(2) by ensuring that the amount of organic hazardous air pollutants (HAP) contained in all materials used on the Flexographic Printers Nos. 1, 2, 3, 5, and 6 (Source Codes: FX01, FX02, FX03, FX05, and FX06) is less than 400 kilograms per month.
[40 CFR 63 Subpart KK; 40 CFR 63.821(b)(2)]

3.3.16 The Permittee shall not discharge or cause the discharge into the atmosphere volatile organic compound (VOC) emissions resulting from chemical additive and solvent usage in an amount equal to or exceeding the following rates:
[40 CFR 52.21]

a. 206.3 tons during any twelve consecutive months from Paper Machine Nos. 16-20 (Source Codes PM01 - PM05).

b. 97.3 tons combined during any twelve consecutive months from the Pulp Processing Area (Source Code PULP) and Bleaching System Nos. 1 - 4 (Source Codes FP04, FP05, FP06, and FP08).

3.3.17 Deleted.

3.3.18 Deleted.

3.3.19 The Permittee shall not burn any fuel oil that contains in excess of 0.05 percent sulfur, by weight.
[40 CFR 52.21; 40 CFR 60 Subpart GG; 40 CFR 60.333; 391-3-1-.02(2)(g) subsumed]

3.3.20 Deleted.

3.3.21 The Permittee shall only burn natural gas in the Paper Machine Nos. 16-20 (Source Codes PM01 – PM05) dryer burners.
[40 CFR 52.21 and 391-3-1-.03(2)(c)]

3.3.22 The Permittee shall not discharge or cause the discharge into the atmosphere from the dryers burners on Paper Machine No. 20 (Source Code PM05) any gases which contain VOC in excess of 0.0067 lb/MMBtu.
[40 CFR 52.21]

3.3.23 Within 60 days of the effective date of this permit, the Permittee shall install low-NO_x burners in the dryer hoods for Paper Machine Nos. 17 and 18 (Source Codes PM02 and PM03). The Permittee shall not discharge or cause the discharge into the atmosphere from the dryer burners on Paper Machine No. 17 or 18 (Source Codes PM02 and PM03) any gases which contain in excess of:
[40 CFR 52.21]

a. 0.005 pounds total PM/PM_{10} per million BTU heat input.

b. 0.0007 pounds SO_2 per million BTU heat input.

c. 0.036 pounds NO_X per million BTU heat input.

d. 0.184 pounds CO per million BTU heat input.

e. 0.006 pounds VOC per million BTU heat input.

3.3.24 The Permittee shall not cause, let, permit, suffer or allow the rate of emission from Paper Machine Nos. 16-19 (Source Codes PM01 – PM04) particulate matter in total quantities equal to or exceeding the emission rates listed below:
[40 CFR 52.21]

Source Code	Emission Limit (tpy)
PM01	17.9
PM02	16.8
PM03	10.7
PM04	5.6

Compliance with these emission limits shall be demonstrated by not exceeding the following production rates for each paper machine:

Source Code	Production Limit (ADTP per year)
PM01	186,588
PM02	186,588
PM03	112,128
PM04	112,128

3.3.25 The Permittee shall not discharge or cause the discharge into the atmosphere from the combination of Combustion Turbine No. 1 (Source Code CT01) and Waste Heat Recovery Boiler No. 1 (Source Code WH01) or Combustion Turbine No. 2 (Source Code CT02) and Waste Heat Recovery Boiler No. 2 (Source Code WH02) any gases which contain nitrogen oxides in excess of 105.0 pounds per hour (daily average).
[40 CFR 52.21]

3.3.26 The Permittee shall comply with all applicable provisions of the National Emission Standard for Hazardous Air Pollutants (NESHAP) as found in 40 CFR Part 63, in Subpart A – General Provisions.
[40 CFR 63 Subpart A]

3.3.27 The Permittee shall comply with all applicable provisions of Federal Standard 40 CFR 63 Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.
[40 CFR 63 Subpart DDDDD]

3.3.28 The Permittee shall comply with the applicable standards, provisions and requirements of Title 40 of the Code of Federal Regulations Part 63 Subpart JJJJ - National Emission Standards for Paper and Other Web Surface Coating Operations.
[40 CFR 63 Subpart JJJJ]

3.3.29 The Permittee shall comply with all applicable provisions of 40 CFR Part 60 Subpart Y - New Source Performance Standards for Coal Preparation Plants.
[40 CFR 60 Subpart Y]

3.3.30 The Permittee shall not cause to be discharged into the atmosphere from any coal preparation thermal dryer gases which:
[40 CFR 60 Subpart Y; 40 CFR 60.252(a)]

a. Contain particulate matter in excess of 0.070 g/dscm (0.031 gr/dscf).

b. Exhibit 20 percent opacity or greater.

3.3.31 The Permittee shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater.
[40 CFR 60 Subpart Y; 40 CFR 60.252(c)]

3.3.32 The Permittee shall comply with all applicable provisions of 40 CFR Part 60 Subpart OOO – New Source Performance Standards for Nonmetallic Mineral Processing Plants for the Solid Fuel and Limestone Handling System (Source Code SHS).
[40 CFR 60 Subpart OOO]

3.3.33 The Permittee shall not discharge, or cause the discharge, into the atmosphere:
[40 CFR Part 60 Subpart OOO; 40 CFR 60.672]

a. From any crusher, at which a capture system is not used, any fugitive emissions which exhibit greater than 15 percent opacity.

b. From any stack, emissions which contain particulate matter in excess of 0.05 g/dscm (0.022 grains/dscf) or exhibit greater than 7 percent opacity.

c. From any screening operation, belt conveyor transfer point, bagging operation, storage bin, enclosed truck or railcar loading station, or from any other affected equipment any fugitive emissions which exhibit greater than 10 percent opacity.

d. Any visible emissions from;

i. Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin; and,

ii. Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

e. For processing equipment subject to Subpart OOO located inside a building, the Permittee shall comply with the above process limits [Paragraph (a), (b), (c), and (d)], or shall not discharge or cause the discharge into the atmosphere, any

i. Visible fugitive emissions from the building

ii. Emissions from a powered building vent which contain particulate matter in excess of 0.05 g/dscm (0.022 grains/dscf) or exhibit greater than 7 percent opacity.

Note: Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of (a) & (b) above.

3.3.34 The Permittee shall not discharge or cause the discharge into the atmosphere any emissions which contain chlorine in excess of 42 parts per million from the Brine Dechlorinator Scrubber (Source Code SB01).
[40 CFR 52.21; 391-3-1-.02(2)(a)3(ii)]

3.3.35 The Permittee shall not discharge or cause the discharge into the atmosphere any emissions which contain chlorine in excess of 10 parts per million from the Absorber/Bleach Tanks Scrubber (Source Code SB02).
[40 CFR 52.21; 391-3-1-.02(2)(a)3(ii)]

3.4 Equipment SIP Rule Standards

3.4.4 The Permittee shall only burn natural gas and No. 2 fuel oil in the Combustion Turbines Nos. 1 and 2 (Source Codes: CT01 and CT02), and the Waste Heat Recovery Boilers Nos. 1 and 2 (Source Codes: WH01 and WH02).
[391-3-1-.03(2)(c)]

3.4.6 The Permittee shall not cause, let, suffer, permit or allow the emission of fly ash and/or other particulate matter from the Waste Heat Recovery Boilers Nos. 1 and 2 (Source Codes: WH01 and WH02) in amounts equal to or exceeding the following:
[391-3-1-.02(2)(d)2(ii)]

$P = 0.5 (10/R)^{0.5}$ pounds per million BTU heat input

Where:
P = allowable weight of emissions of fly ash and/or other particulate matter in pounds per million BTU heat input.
R = heat input of fuel-burning equipment in million BTU per hour

3.4.9 Except as specified elsewhere in this permit, the Permittee shall not cause, let, suffer, permit or allow the emissions from any source at the facility the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)(1)]

3.4.10 Except as specified elsewhere is this permit, the Permittee shall not cause, let, permit, suffer, or allow the rate of emission, from those Source Codes listed as subject to Georgia Rule 391-3-1-.02(2)(e) in the Section 3.1 Emission Unit table, particulate matter in total quantities equal to or exceeding the following rate:
[391-3-1-.02(2)(e)]

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

Where;
E = emission rate in pounds per hour
P = process input weight rate in tons per hour

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

3.5.1 Deleted.

3.5.2 Deleted.

PART 4.0 REQUIREMENTS FOR TESTING

4.1 General Testing Requirements

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 which pertain to the emission units listed in Section 3.1 are as follows:

n. Method 10 or 10B shall be used for carbon monoxide concentrations

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

4.2.2 For the Fluidized Bed Boiler No. 4 and Circulating Fluidized Bed Boiler No. 5 (Source Codes: BO02 and BO03), the Permittee shall determine compliance with the sulfur dioxide emission limitations in Condition 3.3.10.a using emissions data acquired by the continuous emissions monitoring systems (CEMS) required by Condition 5.2.1.d. The 30-day averages for the SO_2 emission rate and the 30-day averages for the percent of potential SO_2 emission rate shall be determined using the procedures contained in 40 CFR 60.45b(c)(2), (3), (4), and (5).
[40 CFR 60 Subpart Db; 40 CFR 60.45b(c), (g), and (h)]

4.2.4 Deleted.

4.2.6 Within 180 days of the installation of the new burners in Paper Machine Nos. 17 and 18 (Source Codes PM02 and PM03), the Permittee shall conduct performance tests to determine compliance with the nitrogen oxides and carbon monoxide emission limitations in Condition 3.3.23.
[391-3-1-.02(6)(b)1(i)]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2 Specific Monitoring Requirements

5.2.1 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated pollutants on the following equipment. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i) – below from 40 CFR 60 Subparts D and Db]

b. Deleted.

e. Deleted.

5.2.2 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i) – below from 40 CFR 60.334]

a. Deleted.

5.2.3 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor chlorine concentrations from the Brine Dechlorinator Scrubber and from the Absorber/Bleach Tanks Scrubber (Source Codes: SB01 and SB02). The Brine Dechlorinator Scrubber monitor shall be equipped with an audible alarm which will be activated at or above 30 parts per million. The Absorber/Bleach Tanks Scrubber monitor shall be equipped with an audible alarm which will be activated at or above 10 parts per million.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.6 The Permittee shall obtain nitrogen oxide emission data for the Circulating Fluidized Bed Boiler Nos. 3 and 5 and Fluidized Bed Boiler No. 4 (Source Codes: BO01, BO02, and BO03) for at least 75 percent of the operating hours for at least 22 out of 30 successive boiler operating days. If this minimum data requirement is not met, the Permittee shall supplement the emission data with data collected using Method 7, Method 7A, or other approved reference methods used as a standby monitoring system providing the minimum data requirement defined in this condition. The 1-hour average nitrogen oxides emission rates (pound(s) per million BTU heat input), required by Condition 4.2.3, must include at least two data points to calculate each 1-hour average. Hourly nitrogen oxides emission rates are not calculated if the boiler is operated less than 30 minutes in a 1-hour period and are not counted toward the determination of a steam generating unit-operating day.
[40 CFR 52.21; 40 CFR 60 Subpart Db; 40 CFR 60.13 and 60.48b(d) and (f)]

5.2.8 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Paper production for Paper Machine Nos. 16-19 (Source Codes PM01 – PM04). Data shall be recorded for each machine once per day.

b. Pressure drop and scrubbant flow rate for the Trim Line Collection System Scrubbers (Source Codes SB06 and SB07). Data shall be recorded once per operating shift.

c. Pressure drop and scrubbant flow rate for the Paper Machine No. 19 and 20 Scrubbers (Source Codes SB03, SB04, and SB05). Data shall be recorded once per operating shift.

d. Type and quantity of fuel burned in the Circulating Fluidized Bed Boiler No. 3 (Source Code BO01), Fluidized Bed Boiler No. 4 (Source Code BO02), Circulating Fluidized Bed Boiler No. 5 (Source Code BO03), Combustion Turbine No. 1 (Source Code CT01), Combustion Turbine No. 2 (Source Code CT02), Waste Heat Recovery Boiler No. 1 (Source Code WT01), Waste Heat Recovery Boiler No. 2 (Source Code WT02), and the Paper Machine Nos. 16 – 20 (Source Codes PM01 – PM05) dryer burners. Data shall be recorded once per day.

5.2.9 Within 90 days of the issuance of this permit, the Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record NO_x for the combined Combustion Turbine (Source Codes CT01 and CT02) / Waste Heat Boiler (Source Codes WH01 and WH02) stacks to measure nitrogen oxide concentrations (in parts per million nitrogen oxide) and diluent concentrations (either oxygen or carbon dioxide, percent). Emission rates, measured by the CEMS, shall be expressed in pounds(s) nitrogen oxides per hour. The Permittee will calculate the combined daily block average NO_x emission rate for each day that each of the four pieces of combustion equipment is in operation. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements. The operation of the four CEMs will be regulated under 40 CFR 75.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i) and 40 CFR 52.21 and 40 CFR 75]

5.2.10 The Permittee shall perform a check of visible emissions on the baghouses listed in the Equipment List in Permit Section 3.1.1. 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 and shall be conducted using the following procedure:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. 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.

b. For each source that exhibits visual emissions, 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 visible emission, the pressure drop, any other pertinent operating parameters, and the corrective action taken in the maintenance log.

5.2.11 Within 60 days of issuance of this permit, the Permittee shall develop and implement a Preventative Maintenance Plan for baghouses listed in the Equipment List in Permit Section 3.1.1 to ensure that particulate matter and opacity provisions are met. The program shall be subject to review and modification by the Division. At a minimum, the following operation and maintenance checks shall be made on at least a weekly basis. The Permittee shall retain a record of these inspections and any corrective actions taken in a log suitable for inspection or submittal.

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

a. For baghouses equipped with compressed air cleaning systems, check the system for proper operation. The may include check for low pressures, leaks, proper lubrication, and proper operation of timer and valves.

b. 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.

c. For baghouses equipped with shaker cleaning systems, check the system for proper operation. This may include checking shaker mechanism for loose or worn bearings, drive components, mountings; proper operation of outlet/isolation valves; proper lubrication.

d. Check dust collector hoppers and conveying systems for proper operation.

5.2.12 The Permittee shall establish monitoring parameters ranges for scrubbant flow rate and pressure drop based upon manufacturer's recommendations and/or process knowledge for proper operation of the Trim Line Collection System Scrubbers (Source Codes SB06 and SB07). Within 90 days of the issuance of this permit, the Permittee shall submit the operating ranges (pressure drop and scrubbant flow rate) to the Division in writing. The monitoring parameter ranges will be used for determining excursions in accordance with Condition 6.1.7.c.xi.
[391-3-1-.02(6)(b)(1)]

5.2.13 The Permittee shall establish monitoring parameters ranges for scrubbant flow rate and pressure drop based upon manufacturer's recommendations and/or process knowledge for proper operation of the Paper Machine Scrubbers (Source Codes SB03, SB04, and SB05). Within 90 days of the issuance of this permit, the Permittee shall submit the operating ranges (pressure drop and scrubbant flow rate) to the Division in writing. The monitoring parameter ranges will be used for determining excursions in accordance with Condition 6.1.7.c.x.
[391-3-1-.02(6)(b)(1)]

5.3 Record Keeping and Reporting Requirements (associated with Specific Monitoring Requirements)

5.3.1 The Permittee shall maintain the following records for each steam generating unit operating day for the Circulating Fluidized Bed Boiler Nos. 3 and 5 and Fluidized Bed Boiler No. 4 (Source Codes: BO01, BO02, and BO03):
[40 CFR 60 Subpart Db; 40 CFR 60.49b(g)]

a. Calendar date.

b. The average hourly nitrogen oxides emission rates (in pounds per million BTU heat input) measured or predicted.

c. The 30-day average nitrogen oxide emissions rates (in pounds per million BTU heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days.

d. Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions standards under 40 CFR 60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.

e. Identification of the steam operating unit days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data, and a description of corrective actions taken.

f. Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.

g. Identification of "F" factor used for calculations, method of determination, and type and fuel combusted.

h. Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system.

i. Description of any modification to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specifications 2 or 3.

j. Results of daily CEMS drift tests and quarterly accuracy assessments as required under Appendix F, Procedure 1.

5.3.3 The Permittee shall include the records required to be maintained by Conditions 5.3.1 through 5.3.6 with the submission of the quarterly report as required by Condition 6.1.4 of this Permit.
[40 CFR 52.21; 391-3-1-.02(6)(b)1; 40 CFR 60 Supbart Db; 40 CFR 60.49b(h)(4)(i) and (k); 40 CFR 70.6(a)(3)(I)]

5.3.4 The Permittee shall maintain the following records for Fluidized Bed Boiler No. 3 (Source Code BO01):
[40 CFR 52.21]

a. Calendar dates covered in the reporting period

b. Each daily (24-hour) average sulfur dioxide emission rate (in pounds per hour) measured during the reporting period, ending with the last 24-hour period; that exceeds 491.4 pounds per hour; reasons for noncompliance with the emission standards; and a description of corrective actions taken.

5.3.5 The Permittee shall maintain the following records for Fluidized Bed Boiler No. 4 and Circulating Fluidized Bed Boiler No. 5 (Source Codes BO02 and BO03):
[40 CFR 52.21]

a. Calendar dates covered in the reporting period

b. Each daily (24-hour) average sulfur dioxide emission rate (in pounds per hour) measured during the reporting period, ending with the last 24-hour period; that exceeds 381.5 pounds per hour; reasons for noncompliance with the emission standards; and a description of corrective actions taken.

5.3.6 The Permittee shall maintain the following records for the Combustion Turbine Nos. 1 and 2 (Source Codes CT01 and CT02) and Waste Heat Boiler Nos. 1 and 2 (Source Codes WH01 and WH02)
[40 CFR 52.21]

a. Calendar dates covered in the reporting period

b. Each daily (24-hour) average nitrogen oxides emission rate (in pounds per hour) measured during the reporting period for the two combustion turbines and two waste heat boilers, ending with the last 24-hour period; that exceeds 105.0 pounds per hour (combination of both combustion turbines and both waste heat boilers); reasons for noncompliance with the emission standard; and a description of corrective actions taken.

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

6.1 General Record Keeping and Reporting Requirements

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, 40 CFR 70.6(a)(3)(i), and 40 CFR 60 Subparts D and Db]

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. Any six-minute period during which the average opacity, as recorded by the Continuous Opacity Monitoring Systems installed on the Circulating Fluidized Bed Boiler Nos. 3 and 5 and Fluidized Bed Boiler No. 4 (Source Codes: BO01, BO02, and BO03), that exceeds 20 percent, except one six-minute average per hour up to 27 percent need not to be reported.

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 30-day rolling average nitrogen oxide emission rate, as measured by the Continuous Emissions Monitoring System installed on the Circulating Fluidized Bed Boiler Nos. 3 and 5 and Fluidized Bed Boiler No. 4 (Source Codes: BO01, BO02, and BO03) that exceeds 0.4 pounds per million BTU heat input.
[40 CFR 52.21 and 40 CFR 60 Subpart Db]

ii. Deleted.

vi. Any occurrence where more than 400 kilograms per month of organic HAP is used in the Flexographic Printers Nos. 1, 2, 3, 5, and 6 (Source Codes: FX01, FX02, FX03, FX05, and FX06).

vii. Deleted.

x. Any 24-hour average sulfur dioxide emission rate from Fluidized Bed Boiler No. 3 (Source Code BO01), measured and recorded in accordance with Condition 5.2.1.d, that exceeds 491.4 pounds per hour.
[40 CFR 52.21]

xi. Any 24-hour average sulfur dioxide emission rate from Fluidized Bed Boiler No. 4 or 5 (Source Code BO02 or BO03), measured and recorded in accordance with Condition 5.2.1.d, that exceeds 381.5 pounds per hour.
[40 CFR 52.21]

xii. Any time of process operation during which the fuel oil burned at the mill does not meet the specifications defined in Condition 3.3.19.
[40 CFR 52.21; 40 CFR 60.333 and 391-3-1-.02(2)(g) subsumed]

xiii. Any time of process operation during which the Paper Machine Nos. 16 – 20 (Source Codes PM01 - PM05) dryer burners are fired with a fuel other than natural gas.
[40 CFR 52.21 and 391-3-1-.03(2)(c)]

xiv. Any 12 month rolling period during which the total production at Paper Machine Nos. 16-19 (Source Codes PM01 - PM04) exceed the following:

Source Code	Production Limit (ADTP)
PM01	186,588
PM02	186,588
PM03	112,128
PM04	112,128

xv. Any combined 24-hour average nitrogen oxide emission rate from Combustion Turbine No. 1 (Source Code CT01) / Waste Heat Recovery Boiler No. 1 (Source Code WH01) or Combustion Turbine No. 2 (Source Code CT02) / Waste Heat Recovery Boiler No. 2 (Source Code WH02), measured and recorded in accordance with Condition 5.2.9, that exceeds 105.0 pounds per hour.
[40 CFR 52.21]

xvi. Any time of process operation during which Combustion Turbine No. 1 or 2 (Source Code CT01 or CT02) or Waste Heat Recovery Boiler No. 1 or 2 (Source Code WH01 or WH02) is fired with a fuel other than natural gas or No. 2 fuel oil.
[391-3-1-.03(2)(c)]

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. Deleted.

ii. Deleted.

iii. Deleted.

v. Any five-minute period during which the chlorine is greater than 42 parts per million from the Brine Dechlorinator Scrubber (Source Code: SB01).

vi. Any five-minute period during which the chlorine is greater than 10 parts per million from the Absorber/Bleach Tanks Scrubber (Source Code: SB02).

vii. Any two consecutive visible emissions checks for a baghouse, taken in accordance with Condition 5.2.10, which reveal that visible emissions are present.

viii. Any adverse condition discovered by the required periodic maintenance inspections performed in accordance with Condition 5.2.11.

ix. Any three consecutive readings during which an operating parameter for a Trim Line Collection System Scrubber (Source Code SB06 or SB07), measured and recorded in accordance with Condition 5.2.8.b is below or outside the range of values established in accordance with Condition 5.2.12.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

x. Any three consecutive readings during which an operating parameter for a Paper Machine Scrubber (Source Code SB03, SB04, or SB05), measured and recorded in accordance with Condition 5.2.8.c is below or outside the range of values established in accordance with Condition 5.2.13.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

i. A statement signed by a responsible official that the records of fuel supplier certifications maintained by the facility for No. 2 fuel oil, containing no more than 0.05 percent sulfur by weight, represents all of the fuel oil combusted at the mill during the quarter.

6.2 Specific Record Keeping and Reporting Requirements

6.2.1 For each shipment of No. 2 fuel oil received for combustion in any source, the Permittee shall obtain from the supplier of the fuel oil, a statement certifying that the oil complies with the specifications of No. 1 or No. 2 fuel oil contained in ASTM D 396 (Standard Specifications for Fuel Oils) and that the No. 2 fuel oil contain no more than 0.05 percent sulfur by weight.
[40 CFR 52.21, 391-3-1-.02(6)(b)1(i), 40 CFR 60 Subpart Db, and 40 CFR 70.6(a)(3)(i)]

6.2.3 The Permittee shall record and maintain records of each type of fuel burned for each day of operation for the Circulating Fluidized Bed Boiler Nos. 3 and 5 and Fluidized Bed Boiler No. 4 (Source Codes: BO01, BO02, and BO03), Combustion Turbines Nos. 1 and 2 (Source Codes: CT01 and CT02), Waste Heat Recovery Boilers Nos. 1 and 2 (Source Codes WH01 and WH02), and the Paper Machine's dryers (Source Codes: PM01 through PM05).
[391-3-1-.02(6)(b)1]

6.2.5 Deleted.

6.2.6 Deleted.

6.2.7 Deleted.

6.2.8 Deleted.

6.2.9 The Permittee shall maintain monthly usage records of all chemical additives and cleaning solvents containing volatile organic compounds used in the Paper Machines Nos. 16-20 (Source Codes: PM01 through PM05), the pulp processing area (Source Code: PULP), and Bleaching System No. 1-4 (Source Codes FP04, FP05, FP06, and FP08). These records shall include the weight of each chemical or cleaning solvent used and the volatile organic compound content of each chemical or cleaning solvent used. All calculations used to determine usage should be kept as part of the monthly record. These usage records shall be kept available for inspection of submittal for five years from the date of record. [391-3-1-.03(2)(c), 40 CFR 70.6(a)(3)(i)(A), and 40 CFR 52.21]

6.2.10 The Permittee shall use the monthly usage records from Condition 6.2.9 to calculate total monthly VOC emissions for each equipment category specified in Condition 3.3.16 in accordance with the following formula. The monthly VOC emissions totals shall be used to calculate emissions on a 12-month rolling basis. The emission records shall be kept available for inspection or submittal for five years from the date of record. The Permittee shall submit the monthly emission totals and 12-month rolling totals calculated during each reporting period with the quarterly report required by Condition 6.1.4. [391-3-1-.03(2)(c), 40 CFR 70.6(a)(3)(i)(A), and 40 CFR 52.21]

$$E = [(A)(B)(C) + (D)(E)(F)]$$

Where:

E = total pounds VOC emitted during calendar month;
A = gallons chemical additive and/or cleaning solvent used on paper machines during month;
B = paper machine chemical additive and/or cleaning solvent density in lb/gal;
C = weight fraction VOC in paper machine chemical additive and/or cleaning solvent;
D = gallons of chemical additives and/or solvent used in pulp processing area or in bleaching systems during calendar month;
E = density of chemical additives and/or solvent used in pulp processing area or in bleaching systems in lb/gal;
F = weight fraction VOC in chemical additives and/or solvent used in pulp processing area or in bleaching systems.

The Permittee shall notify the Division in writing if volatile organic compound emissions from Paper Machine Nos. 16-20 (Source Codes PM01 - PM05) exceed 17.2 tons during any calendar month or if combined volatile organic compound emissions from the Pulp Processing Area (Source Codes PULP) and Bleaching System Nos. 1-4 (Source Codes FP04, FP05, FP06, and FP08) exceed 8.1 tons during any calendar month from any of the equipment categories specified in Condition 3.3.16. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the emission limits in Condition 3.3.16.

6.2.12 The Permittee shall maintain monthly records of the total volume and organic HAP content of each material applied on the Flexographic Printers Nos. 1, 2, 3, 5, and 6 (Source Codes: FX01, FX02, FX03, FX05, and FX06).
[40 CFR 63 Subpart KK; 40 CFR 63.829(3)(2)]

6.2.13 The Permittee shall use the production data collected in accordance with Condition 5.2.8.a to calculate the total quantity of paper produced on Paper Machine Nos. 16-19 (Source Codes PM01 – PM04) on a monthly basis. The monthly productions totals shall be used to calculate production totals on a 12-month rolling basis. The production records shall be kept available for inspection of submittal for five years from the date of record. The Permittee shall submit the monthly production totals and 12- month rolling totals calculated during each reporting period with the quarterly report required by Condition 6.1.4.

For any month during which total production exceeds the following amounts, facility shall provide written notice to the Division. This written notice shall be submitted by the 20^{th} of the month following the month that the total production exceeded notification level. The written notification shall include the month in which the total production exceeded $1/12^{th}$ of the annual limit, the total production for the month, and the Permittee's plans to insure that the annual total production limit is not exceeded.
[40 CFR 52.21]

Source Code	$1/12^{th}$ of Production Limit (ADTP)
PM01	15549
PM02	15549
PM03	9344
PM04	9344

6.2.14 Within 90 day of the issuance of this permit, the Permittee shall submit, in writing, a summary of the New Substance Review Program protocol used to minimize the VOC content of the chemical additives and cleaning solvent used on the Paper Machines (Source Codes PM01 through PM05), Pulp Processing Area (Source Code PULP), and Bleaching Systems (Source Codes FP04, FP05, FP06, and FP08) and VOC containing materials used in the Converting Department (Source Code CONV). The Permittee shall review any new material that is proposed for use and ensure that the material being proposed has an equal or lower VOC content that the material it is replacing. If the material being proposed is new and has never been used before, then the Permittee will work with the material supplier to assure that the material being used has a low VOC content. The Permittee shall report chemical additive, cleaning solvent, or other VOC containing material changes with the quarterly report required by Condition 6.1.4. The report shall contain a certification, signed by a responsible official, stating that the protocol was followed. The report shall also contain the VOC content of the new material and the material that was replaced, if any.
[40 CFR 52.21]

6.2.15 The Permittee shall commence construction of the Mill Process Improvement modifications within 18 months of the date of issuance of this permit. Approval to construct shall become invalid if construction is not commenced by that date. For the purposes of this Permit, the definition of "commence" is given in 40 CFR 52.21(b)(9). [40 CFR 52.21(r)]

6.2.16 The Permittee shall furnish the Division written notification as follows: [40 CFR 60.7 and 40 CFR 63.9]

a. A notification of the date construction is commenced for the Mill Process Improvement modifications within 15 days after such date.

c. A notification of the date of completion for the Mill Process Improvement modifications postmarked within 15 days after such date.

6.2.17 The Permittee shall submit an application to incorporate the applicable standards, provisions and requirements of Title 40 of the Code of Federal Regulations Part 63 Subpart JJJJ "National Emission Standards for Paper and Other Web Surface Coating Operations" for the paper coating operations no later than 90 days after the issuance of this permit amendment.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)(A)]

PART 8.0 GENERAL PROVISIONS

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 ºF, or if the solvent is heated above 120 ºF, 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^{o}F; and

c. It has a secondary burner to control smoke and/or odors and maintain a temperature of at least 1500^{o}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)]

Attachments

B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups

ATTACHMENT B

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

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Mobile Sources	1. Cleaning and sweeping of streets and paved surfaces	1
Combustion Equipment	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	3
	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).	1
	4. Stationary engines burning: i) Natural gas, LPG, gasoline, dual fuel, or diesel fuel which are used exclusively as emergency generators;	1
	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.	6
	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.	1
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.	6
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.	8
	5. Non-routine clean out of tanks and equipment for the purposes of worker entry or in preparation for maintenance or decommissioning.	1
	6. Devices used exclusively for cleaning metal parts or surfaces by burning off residual amounts of paint, varnish, or other foreign material, provided that such devices are equipped with afterburners.	
	7. Cleaning operations: Alkaline phosphate cleaners and associated cleaners and burners.	

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.	4
	2. Research and development facilities, quality control testing facilities and/or small pilot projects, where combined daily emissions from all operations are not individually major or are support facilities not making significant contributions to the product of a collocated major manufacturing facility.	
Pollution Control	1. Sanitary waste water collection and treatment systems, except incineration equipment or equipment subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act..	1
	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.	1
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: 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.	
	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: i) Activity is performed indoors; & ii) No significant fugitive particulate emissions enter the environment; & iii) No visible emissions enter the outdoor atmosphere.	1
	4. Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy (e.g., blueprint activity, photographic developing and microfiche).	1
	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.	28
	11. Equipment used exclusively for the mixing and blending water-based adhesives and coatings at ambient temperatures.	16
	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.	

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.	5
	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.	
	4. All pressurized vessels designed to operate in excess of 30 psig storing petroleum fuels that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	5. Gasoline storage and handling equipment at loading facilities handling less than 20,000 gallons per day or at vehicle dispensing facilities that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	2
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	>150
	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).	19

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
Waste Paper Pulping	15
Flexographic Printing Press Plate Making Operations	1
Tank No. 12 – 28.5% HCl	1
Tank No. 14 – 50% solution of hydrogen peroxide	1
Tank No. 15 – Sodium Hydrosulfite solution	1
Tank No. 16 – DTPA	1
Tank No. 19 – 62% phosphoric acid	1
Tank No. 21 – polymer for papermaking	1
Tanks No. 10 and 11 – Lixator (brine solution)	2