Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC | **Permit Revision No.: 1070005-086-AV**

Palatka Mill | Facility ID No.:1070005

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	**Brief Description**
14	**#4 Power Boiler (REMOVED)**

			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	lbs./hour	TPY	Regulatory Citation(s)	Permit Cond(s)

Note:

* The "Equivalent Emissions" listed are for informational purposes only.

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC | **Permit Revision No.: 1070005-086-AV**

Palatka Mill | Facility ID No.:1070005

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E.U. ID No.	**Brief Description**
15	**#5 Power Boiler**

Pollutant Name	Fuel(s)	Hrs/Yr	Allowable Emissions Standard(s)	lbs/hr	TPY	Regulatory Citation(s)	Permit Cond(s)
SO2-DNCG	Gas			82.6 **	236.3 **	1070005-024-AC; 1070005-038-AC	III.B.9.
VE (steady state)	Gas	8760	20% opacity except 40/2			62-296.405(1)(a), F.A.C.	III.B.7.
TRS ***			5 ppm by volume on dry	3.9	17.1	1070005-024-AC	III.B.8.
			basis at standard conditions				
			corrected to 10 percent O2				
			as as a 12-hr average				
CO	Gas	8760	0.185 lb/MMBTU	99.9		62-212.400(BACT), 1070005-038-AC	III.B.4
NOX	Gas	8760	0.125 lb/MMBTU	67.5		62-212.400(12), 1070005-038-AC	III.B.4

Notes:

* The "Equivalent Emissions" listed are for informational purposes only.

** The burning of NCGs and DNCGs shall cease when the sum of SO2 emissions reach the yearly allowable limit of 236.3 tons. The yearly alowable is applicable to either the No. 5 PB or the No. 4 CB, or the No 5 PB and the No 4 CB combined for a total of 236.3 tpy.

*** TRS Emissions when the No. 5 PB is used to burned DNCGs

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC | **Permit Revision No.: 1070005-086-AV**

Palatka Mill | Facility ID No.:1070005

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E.U. ID No.	**Brief Description**
16	**#4 Combination Boiler**

			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	lbs./hour	TPY	Regulatory Citation(s)	Permit Cond(s)
Particulate Matter	Carb.Fuel	8760	0.3 lb/MMBtu	125.6	550.1			62-296.410(1)(b)2.	III.C.4.
Particulate Matter	Fossil Fuel	8760	0.1 lb/MMBtu	41.9	183.5			62-296.410(1)(b)2.	III.C.4.
Sulfur Dioxide	NCG/SOG	8760		626.4	548.7			1070005-017-AC/PSD-	III.C.5.
Total Reduced Sulfur	Any of the permitted fuels	8760	5 ppmvd @ 10% O2	3.6	15.7			62-296.404(3)(f)1., F.A	III.C.6.
Visible Emissions	Carb./Natural Gas	8760	30% opacity except 40% 2 min/hr					62-296.410(1)(b)1., F.A	III.C.7.a.

Notes:

* The "Equivalent Emissions" listed are for informational purposes only.

** Includes the SO2 due to NCG/SOG destruction (626.4 lb/hr and 548.7 TPY); Includes the SO2 due to DNCG destruction (82.6 lb/hr and 236.3 TPY)

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC **Permit Revision No.: 1070005-086-AV**

Palatka Mill Facility ID No.:1070005

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E.U. ID No.	**Brief Description**
17	**# 4 Lime Kiln**

Pollutant Name	Fuel(s)	Hrs/Yr	Allowable Emissions Standard(s)	lbs/hr	TPY	Regulatory Citation(s)	Permit Cond(s)
Particulate Matter	Fuel Oil	8760	0.55 lb/ton of lime solids processed	22.9		62-212.400(BACT), 1070005-038-AC	III.D.4.
Total Reduced Sulfur	Fuel Oil	8760	12-month rolling CEM Total		25.1	1070005-038-AC	III.D.5.
Visible Emissions	Fuel Oil	8760	20% Opacity (moisture interference)			BACT; AC54-192551	III.D.6.
Sulfur Dioxide	Fuel Oil	8760	16.9 ppmvd @ 10% O2	9.1		62-212.400(BACT); 1070005-038-AC	III.D.7.
Nitrogen Oxides	Fuel Oil	8760	Initial shake down: 140.0 ppmvd @ 10% O_2. Final: 114 ppmvd @ 10% O_2.	54.2		62-212.400(BACT), 1070005-038-AC 1070005-067-AC	III.D.8.
Carbon Monoxide	Fuel Oil	8760	69 ppmvd @ 10% O2	16.3		62-212.400(BACT), 1070005-038-AC	III.D.9.
Volatile Organic Cpds	Fuel Oil	8760	70.0 ppmvd @ 10% O2	9.4		62-212.400(BACT)	III.D.10.

Notes:

* The "Equivalent Emissions" listed are for informational purposes only.

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operation

Permit Revision No.: 1070005-086-AV

Palatka Mill

Facility ID No.:1070005

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	**Brief Description**
18	**#4 Recovery Boiler**

Pollutant Name	Fuel(s)	Hrs/Yr	Allowable Emissions Standard(s)	lbs/hr	TPY	Regulatory Citation(s)	Permit Cond(s)
Particulate Matter	BLS/Oil	8760	0.030 gr/dscf @ 8% O2	75.6		BACT; AC54-266676	III.E.5.
Total Reduced Sulfur	BLS/Oil	8760	12-mo. rolling CEM average	10.9	34.2	Rule 62-212.400(12)(a), F.A.C., 107005-038-AC	III.E.6.
Visible Emissions	BLS/Oil	8760	20% Opacity			Rule 62-212.400(BACT)(a), F.A.C., 107005-038-AC	III.E.7.
Sulfur Dioxide	BLS/Oil	8760	100 ppmvd @ 8% O2 based on 24-hr rolling avg	* 292.8		PSD-FL-380, PSD-FL-393	III.E.8.
Sulfur Dioxide CAP	BLS/Oil	8760	During any consecitive 12-months		153.9	1070005-050-AC, Rule 62-212.400(12), F.A.C.	III.E.9.
Carbon Monoxide	BLS/Oil	8760	400 ppmvd @ 8% O2	512.7	**	BACT; 1070005-038-AC	III.E.10.
Volatile Organic Cpds	BLS/Oil	8760	0.20 lb/ton BLS	21.0		BACT; AC54-266676	III.E.11.
Sulfuric Acid Mist	BLS/Oil	8760	0.81 ppmvd	3.6	15.9	BACT; AC54-266676	III.E.12.
Beryllium	BLS/Oil	8760	0.5 lb/E+12 BTU	6.4 E-4	2.8 E-3	BACT; AC54-266676	III.E.13.
Nitrogen Oxides	BLS/Oil	8760	80 ppmvd @ 8% O2	168.5	**	BACT; 1070005-038-AC	III.E.14.

Notes:

* The "Equivalent Emissions" listed are for informational purposes only.

** Based on a 30-day rolling CEMS average, excludeing periods of startup and down

FUELS: Facility Generated Crude Tall Oil/ Black Liquior Solids and Fuel Oil

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LL(**Permit Revision No.: 1070005-086-AV**

Palatka Mill Facility ID No.:1070005

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E.U. ID No.	Brief Description
19	#4 Smelt Dissolving tanks (2)

Pollutant Name	Fuel(s)	Hrs/Yr	Allowable Emissions Standard(s)	lbs/hr	TPY	Regulatory Citation(s)	Permit Cond(s)
Particulate Matter		8760	0.12 lb/ton BLS	12.6	55.2	BACT; AC54-193841	III.F.3.
Total Reduced Sulfur		8760	BLS as H2S	3.4	14.9	62-296.404(3)(d)1.,FAC	III.F.4.
Visible Emissions		8760	<20% opacity (moisture interference)			62-296.404(2)(b),FAC	III.F.5.

Notes:

* The "Equivalent Emissions" listed are for informational purposes only.

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC **Permit Revision No.: 1070005-086-AV**

Palatka Mill Facility ID No.:1070005

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E.U. ID No.	**Brief Description**
31	**Tall Oil Plant**

			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	lbs./hour	TPY	Regulatory Citation(s)	Permit Cond(s)
Total Reduced Sulfur		8760	0.031 lb TRS/ton Tall Oil as 12-hr avg.	0.14	0.5			62-296.404(3)(b)1., F.A.C.	III.G.3.

Notes:

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC — **Permit Revision No.: 1070005-086-AV**

Palatka Mill — Facility ID No.:1070005

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E.U. ID No.	**Brief Description**
35	**ClO2 Plant and Methanol Tank**

			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	lbs./hour	TPY	Regulatory Citation(s)	Permit Cond(s)
Tank Dimensions		8760							III.J.2.

Notes:

* The "Equivalent Emissions" listed are for informational purposes only.

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC — **Permit Revision No.: 1070005-086-AV**

Palatka Mill — Facility ID No.:1070005

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E.U. ID No.	**Brief Description**
036	**Elemental Chlorine Free No. 3 Bleach Plant**

			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	lbs./hour	TPY	Regulatory Citation(s)	Permit Cond(s)
Carbon Monoxide		8760		100.0	324.0			62-212.410, F.A.C	III.K.6.
Total Chlorinated HAPs		8760	< 10 ppmv					63.445(c)(2);	III.K.7.
Visible Emissions		8760	< 20% Opacity					62-296.320, F.A.C.; Rule 62-296.404(2)(b), F.A.C	III.K.8.

Notes:

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC | **Permit Revision No.: 1070005-086-AV**

Palatka Mill | Facility ID No.:1070005

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E.U. ID No.	**Brief Description**
044	**No.7 Package Boiler**

			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	lbs./hour	TPY	Regulatory Citation(s)	Permit Cond(s)
Nitrogen Oxides		8760	0.2 lb/MMBtu	48.9	39.4			40 CFR 60.44b(a)(1)(ii); 40 CFR 60.44b(h); 40 CFR 60.44b(i); 40 CFR 60.44b(l)(1);	III.N.4
Visible Emissions		8760	< 20% Opacity except for 27% for up to 6/hr					Rule 62-296.406(1), F.A.C	III.N.6.

Notes:

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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC — **Permit Revision No.: 1070005-086-AV**

Palatka Mill — Facility ID No.:1070005

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E.U. ID No.	**Brief Description**
037	**Thermal Oxidizer**

			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	lbs./hour	TPY	Regulatory Citation(s)	Permit Cond(s)
TRS		8760	5 ppmv correct 10% O2, 12-hr avg.	0.2	0.89			62-296.404(3)(f)1., F.A.C	III.L.5.
Visible Emissions		8760	< 20% Opacity						III.L.7.
Sulfur Dioxide		8760		31.3	137.2				III.L.6.
Total HAP Reduction		8760	<= 20 ppmvd correct ed to 10% O2 Methanol					40 CFR 63.443(d)(2);	III.L.8.

Notes:

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Georgia-Pacific Consumer Operations LLC **Permit Revision No.: 1070005-086-AV**

Palatka Mill Facility ID No.:1070005

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E.U. ID No.	**Brief Description**
046	**Condensate Collection and Steam Stripper**

			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	lbs./hour	TPY	Regulatory Citation(s)	Permit Cond(s)
HAP Collection		8760	Collect 7.2 lb/ton ODUBP and 11.1 lb/ton ODBP; prorated and based on 15-day average					40 CFR 63.446(c)(3)	III.P.5.
Total HAP Treatment		8760	Reduce or destroy the total HAPs by at least 92 percent or more by weight					40 CFR 63.446(e)(3)	III.P.9.

Notes:

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Georgia-Pacific Consumer Operations LLC
Palatka Mill

Permit Revision No.: 1070005-086-AV

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E.U. ID No.	Brief Description
047	Brown Stock Washers Lines 3, 5, 6 & 7

			Allowable Emissions		
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	Regulatory Citation(s)	Permit Cond(s)
Total HAP Treatmen		8760	Shall be controlled and treated pursuant to Supbart S	40 CFR 63.443(a)(ii)-(v)	III.Q.4.

Notes:
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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC **Permit Revision No.: 1070005-086-AV**
Palatka Mill Facility ID No.:1070005

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E.U. ID No.	Brief Description
048	New 2 Two Stage Oxygen Delignification System

			Allowable Emissions				
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	Regulatory Citation(s)	Permit Cond(s)
Total HAP Treatment		8760	Shall be controlled and treated pursuaant to Supbart S			40 CFR 63.443(a)(ii)-(v)	III.R.3

Notes:
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Table 1-1, Summary of Air Pollutant Standards and Terms

Georgia-Pacific Consumer Operations LLC
Palatka Mill

Permit Revision No.: 1070005-086-AV
Facility ID No.:1070005

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E.U. ID No.	Brief Description
050	Converting Department

			Allowable Emissions				
Pollutant Name	Fuel(s)	Hrs/Yr	Standard(s)	lbs/hr	TPY	Regulatory Citation(s)	Permit Cond(s)
Organic HAP		8760	No greater than 4% of the mass of coating materials applied for each month.			40 CFR 63.3320(a), (b)(2)	III.S.1.
Visible Emissions		8760	≤5% Opacity			62-4.070, F.A.C.	III.S.2.

Notes:
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