TABLE 1

Summary of Air Pollutant Standards and Terms

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E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions*			Regulatory Citation(s)	See Permit Condition(s)
						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
006	No. 5 Power Boiler	Carb	8,760	Particulate Matter	0.3 lb/MMBtu	137.1		598.9	62-296.410(1)(b)2., F.A.C.	**III.A.4.a.**
		Fuel Oil		Particulate Matter	0.1 lb/MMBtu				62-296.405(1)(b), F.A.C.	**III.A.4.b.1**
		Fuel Oil		Particulate Matter – Soot Blowing or Load Change	0.3 lb/MMBtu for ≤ 3 hours/24 hours				62-210.700(3), F.A.C.	**III.A.4.b.2.**
		Fuel Oil		Sulfur Dioxide	550.0 lb/hour based on a 24-hour rolling				62-296.340(5)(c), F.A.C.	**III.A.5.**
		NGCs		TRS	5 ppmv@ 10% O_2	11.74		12.85	62-296.404(3)(f), F.A.C.	**III.A.6.**
		Carb		VE	30% Opacity except 40% is permissible for ≤ 2 minutes in any hour				62-296.410(1)(b)1., F.A.C.	**III.A.7.a.**
		Fuel Oil		VE	20% Opacity except 40% is permissible for ≤ 2 minutes in any hour				62-296.405(1)(a), F.A.C.	**III.A.7.b.**
		Fuel Oil		VE – Soot Blowing or Load Change	60% Opacity ≤ 3 hrs in any 24-hour period, w/ best oper. prctices & minimize excess emissions duration				62-210.700(3), F.A.C.	**III.A.7.c.**
		WW Wood Fiber Residuals		Mercury	No more than 7.1 pounds per 24 hour period				40 CFR 61.52(b)	**III.A.8.**

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						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
007	No. 4 Recovery Boiler	BLS, BLS w/ ULSD, No. 2 Fuel Oil, No. 6 Fuel Oil	8,760	Particulate Matter	0.044 gr/dscf@ 8% O_2				40 CFR 63.862(a)(1)(i)(A)	**III.B.4.a.**
				Particulate Matter	3 lbs/3000 lbs BLS	137.5		602.25	62-296.404(2)(a), F.A.C.	**III.B.4.b.**
				Total Reduced Sulfur	5 ppmvd @ 8% O_2	3.24		14.19	62-296.404(3)(c)1.b., F.A.C.	**III.B.5.**
				Visible Emissions	≤ 45% Opacity for up to 60% Opacity no more than 1 min/any hour				62-296.404(1)(a), F.A.C.	**III.B.6.a.**
				Visible Emissions	≤ 35% Opacity for < 6% of operating time w/n any quarterly period				40 CFR 63.864(k)(2)(i)	**III.B.17.**

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						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
011	No. 5 Recovery Boiler	BLS, BLS w/ ULSD, No. 2 Fuel Oil, No. 6 Fuel Oil	8,568	Particulate Matter	0.044 gr/dscf @ 8% O_2	83.3		356.9	40 CFR 63.862(a)(1)(i)(A)	**III.B.4.a.**
				Total Reduced Sulfur (Cross Recovery Furnace Operation Mode)	25 ppmvd @ 8% O_2	26.3		112.67	40 CFR 60.283(a)(3)	**III.C.5.**
				Total Reduced Sulfur (Straight Recovery Furnace Operation Mode)	5 ppmvd @ 8% O_2	5.26		22.53	40 CFR 60.282(a)(1)(i) 40 CFR 60.283(a)(2)	**III.C.6.**
				Visible Emissions	< 35% Opacity				40 CFR 60.282(a)(1)(ii)	**III.C.7.a.**
				Visible Emissions	≤ 35% Opacity for < 6% of operating time w/n any quarterly period				40 CFR 63.864(k)(2)(i)	**III.C.18.**

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						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
013	No. 4 Smelt Dissolving Tank	N/A	8,760	Particulate Matter	0.20 lb/ton BLS				62-296.320(4)(a)2., F.A.C. 40 CFR 63.862(a)(1)(i)(B)	**III.D.3.**
				Total Reduced Sulfur	0.048 lb TRS/3000 lb BLS	2.2		9.64	62-296.404(3)(d)1., F.A.C.	**III.D.4.**
				Visible Emissions	< 20% Opacity				62-296.320(4)(b)1., F.A.C.	**III.D.5.**

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						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
014	No. 5 Smelt Dissolving Tank	N/A	8,568	Particulate Matter	0.20 lb/ton BLS				40 CFR 60.282(a)(2) 40 CFR 63.862(a)(1)(i)(B)	**III.E.3.**
				Total Reduced Sulfur	0.033 lb TRS/ton BLS	2.59		11.08	40 CFR 60.283(a)(4)	**III.E.4.**
				Visible Emissions	< 20% Opacity				62-296.320(4)(b)1., F.A.C.	**III.E.5.**

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						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
015	No. 7 Power Boiler		8,760	Particulate Matter	0.1 lb/MMBtu	102.1		447.2	40 CFR 60.42(a)(1)	**III.F.4.**
		Coal		Sulfur Dioxide	0.12 lb/MMBtu	1,225.20		5,366.38	40 CFR 60.43(a)(2)	**III.F.5.a.**
		No. 6 No. 2		Sulfur Dioxide	0.8 lb/MMBtu				40 CFR 60.43(a)(1)	**III.F.5.b.**
		Coal		Nitrogen Oxides	0.6 lb/MMBtu	612.6		2,683.19	10/11/84 BACT Determination	**III.F.6.a.**
		No. 6 No. 2		Nitrogen Oxides	0.3 lb/MMBtu				40 CFR 60.44(a)(2)	**III.F.6.b.**
		Coal No. 6 No. 2		Carbon Monoxide	93.6 lbs/hr and 409.97 TPY				EPA/DER Agreement 40 CFR 52.21(j)	**III.F.7.**
		Coal No. 6 No. 2		Visible Emissions	≤ 20% Opacity except for no more than 27% Opacity for one 6 min period/ hour				40 CFR 60.42(a)(2)	**III.F.8.**
	Coal Prep and Handling	N/A		Visible Emissions	< 20% Opacity				40 CFR 60.252(c) PSD-FL-062	**III.F.9.**
	Fly Ash Handling	N/A		Visible Emissions	≤ 5% Opacity				40 CFR 52.21(j) PSD-FL-062	**III.F.10.**
		N/A		Particulate Matter	≤ 0.5 lbs/hr				PSD-FL-062	**III.F.11.**

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						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
020	Tall Oil Plant	N/A	8,760	Total Reduce Sulfur	0.05 lb/ton Tall Oil Produced, 12-hr average	0.43		1.9	62-296.404(3)(b)1., F.A.C.	**III.G.3.**

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						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
021	No. 4 Lime Kiln	No. 6 Fuel Oil, On-Spec Used Oil, LPG (Startup Only)	8,736	Particulate Matter	0.06 gr/dscf @ 10% O_2				40 CFR 63.862(a)(1)(i)(C)	**III.H.4.**
				Total Reduced Sulfur	8 ppmvd @ 10% O_2	2.63		11.5	40 CFR 60.283(a)(5)	**III.H.5.**
				Visible Emissions	≤ 20% Opacity				62-296.320(4)(b)1., F.A.C.	**III.H.6.**
	No. 1 Lime Bin	N/A	8,760	Visible Emissions	≤ 5% Opacity				62-297.620(4), F.A.C. AC45-141878	**III.H.7.**
				Particulate Matter	≤ 0.03 gr/dscf				AC45-141878	**III.H.8.**
	No. 2 Lime Bin	N/A	8,760	Visible Emissions	≤ 5% Opacity				62-297.620(4), F.A.C. AC45-141878	**III.H.9.**
				Particulate Matter	≤ 0.03 gr/dscf				AC45-141878	**III.H.10.**

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						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
024	C-Line Brownstock Washer System	N/A	8,760	Total Reduced Sulfur	5 ppmvd uncorrected	0.16		0.7	40 CFR 60.283(a)(1)(v)	**III.I.3.**

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						lbs/hr Per unit	lbs/hr Both units	TPY Both units		
033	Pulping System MACT I	N/A	8,760	HAP Condensate Collection	Collect All Named Stream Option (15-day average)				40 CFR 63.446(c)(1)	**III.M.5.**
				Total HAP Condensate Treatment	Total HAP destruction of at least 92% by weight				40 CFR 63.446(e)(3)	**III.M.9.**
				HAP Vent Collection	Named Sources enclosed and routed to No. 4 Lime Kiln or No. 5 Power Boiler				40 CFR 63.443(a) 40 CFR 63.443(c) 40 CFR 63.443(d)	**III.M.2.**

TABLE 2

Summary of Compliance Requirements

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E.U. ID No.	Brief Description	Fuel(s)	Pollutant Name	Emission Monitoring	Emission Control	Compliance Method EPA Method	Testing Time Frequency	Frequency Base Date	Min. Compliance Test Duration	See Permit Condition(s)
006	No. 5 Power Boiler	Carb	Particulate Matter	N	ESP	EPA Method 5	FFY	---	3, One-hr test runs	**III.A.9.a.**
		Fuel Oil	Particulate Matter	N		EPA Method 5		> 400 hrs/yr fuel oil fired	3, One-hr test runs	**IIIA.9.b.1.**
		Fuel Oil	Particulate Matter (Soot blowing or load change)	N		EPA Method 5	FFY	> 400 hrs/yr fuel oil fired	3, One-hr test runs	**IIIA.9.b.2.**
		Fuel Oil	Sulfur Dioxide	Y		CEMS				**IIIA.14.-A.19.**
		NCGs	Total Reduced Sulfur			Gases introduced w/primary fuel or into the flame zone, or with the combustion air, min temp of 1200° F, 0.5 sec residence time				**III.A.11.**
		Carb	Visible Emissions			EPA Method 9	FFY		60 Minutes	**III.A.14.a.**
		Fuel Oil	Visible Emissions			EPA Method 9	FFY		60 Minutes	**III.A.14.b.**
		Fuel Oil	VE – Soot Blowing or Load Change			EPA Method 9	FFY		60 Minutes	**III.A.14.c.**

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007	No. 4 Recovery Boiler	BLS, BLS w/ ULSD, No. 2 Fuel Oil, No. 6 Fuel Oil	Particulate Matter	Y COMS	ESP	EPA Method 5	FFY	**---**	3, One-hr test runs	**III.B.7., B.15.**
			Total Reduced Sulfur	Y		EPA Method 16 EPA Method 16A, or EPA Method 16B	Prior to permit renewal		3 hours, but no longer than 6 hours	**III.B.12.a.**
			Visible Emissions			EPA Method 9	FFY		60 Minutes	**III.B.11.**

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011	No. 5 Recovery Boiler	BLS, BLS w/ ULSD, No. 2 Fuel Oil, No. 6 Fuel Oil	Particulate Matter	Y COMS	ESP	EPA Method 5	FFY	**---**	3, One-hr test runs	**III.C.8., C.16.**
			Total Reduced Sulfur	Y		EPA Method 16 EPA Method 16A, or EPA Method 16B	Prior to permit renewal		3 hours, but no longer than 6 hours	**III.C.13.**
			Visible Emissions			EPA Method 9	FFY		60 Minutes	**III.C.12.**

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013	No. 4 Smelt Dissolving Tank	N/A	Particulate Matter	N	Scrubber	EPA Method 5	FFY	---	3, One-hr test runs	**III.D.6.**
			Total Reduced Sulfur	N		EPA Method 16 EPA Method 16A	Prior to permit renewal		3 hours, but no longer than 6 hours	**III.D.10.**
			Visible Emissions			EPA Method 9	FFY		60 Minutes	**III.D.8.**
			TRS Surrogate	Y		Weak Wash Flow				**D.11.**
			PM CPMS	Y		Pressure Drop across Scrubber				**D.12.**
			PM CPMS	Y		Scrubbing Liquid Flow rate				**D.12.**

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014	No. 5 Smelt Dissolving Tank	N/A	Particulate Matter	N	Scrubber	EPA Method 5	FFY	---	3, One-hr test runs	**III.E.6.**
			Total Reduced Sulfur	N	Scrubber	EPA Method 16 EPA Method 16A EPA Method 16B	Prior to permit renewal		3 hours, but no longer than 6 hours	**III.E.8.a., E.8.b.**
			Visible Emissions			EPA Method 9	FFY		60 Minutes	**III.E.9., E.10.**
			TRS Surrogate	Y		Weak Wash Flow				**E.11.c.**
			PM CPMS	Y		Pressure Drop across Scrubber				**E.11.a., E.11.b.**
			PM CPMS	Y		Scrubbing Liquid Flow rate				**E.11.a., E.11.b**

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015	No. 7 Power Boiler	Coal, No. 6 Fuel oil, No. 2 Fuel Oil	Particulate Matter	N	ESP	EPA Method 5	FFY	---	3, One-hr test runs	**III.F.15.**
			Sulfur Dioxide	N		EPA Method 6	Upon FDEP Request		3, One-hr test runs	**III.F.16.**
			Nitrogen Oxides	Y		EPA Method 7	Upon FDEP Request		3, One-hr test runs	**III.F.17.**
			Carbon Monoxide	N		EPA Method 10	Upon FDEP Request		3, One-hr test runs	**III.F.19.**
			Visible Emisisons	Y		EPA Method 9	FFY		60 Minutes	**III.F.20., F.24.**
			NOx Surrogate	Y		Maximum O_2 set point				**III.F.28.**
			CO Surrogate	Y		Minimum O_2 set point				**III.F.29.**
	Coal Prep and Handling		Visible Emissions	N	Fabric Filter	EPA Method 9	FFY			**III.F.16.**
	Fly Ash Handling		Visible Emisisons	N	Fabric Filter	EPA Method 9	FFY			**III.F.17.**

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020	Tall Oil Plant	N/A	Total Reduced Sulfur	N	Scrubber	EPA Method 16 EPA Method 16A	Prior to Permit renewal	---	3 hours, but no longer than 6 hours	**III.G4.**
			TRS Surrogate Scrubber Liquid Flow Rate	Y		Scrubbing Liquid Flow rate				**III.G.5.**
			TRS Surrogate pH	Y		3 grab samples over course of each Tall Oil cook (beginning, middle, end)				**III.G.5.**

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021	No. 4 Lime Kiln	No. 6 Fuel Oil, On-Spec Used Oil, LPG (Startup Only)	Particulate Matter	Y	ESP	EPA Method 5	FFY	---	3, One-hour test runs	**III.H.12., H.23.**
			TRS	Y		EPA Method 16 EPA Method 16A	FFY		3 hours, but no longer than 6 hours	**III.H.16., H.24.**
			Visible Emissions			EPA Method 9	FFY		60 Minutes	**III.H.18.**
	No. 1 Lime Bin	N/A	Visible Emissions		Fabric Filter	EPA Method 9	FFY		30 Minutes	**III.H.19.**
	No. 2 Lime Bin	N/A	Visible Emissions		Fabric Filter	EPA Method 9	FFY		30 Minutes	**III.H.21.**

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024	C-Line Brownstock Washer System	N/A	Total Reduced Sulfur	Y	Scrubber	EPA Method 16 EPA Method 16A EPA Method 16B	Prior to Permit renewal	---	3 hours, but no longer than 6 hours	**III.I.4.**
			TRS Surrogate Scrubber Liquid Flow Rate	Y		Scrubbing Liquid Flow rate				**III.I.5.**
			TRS Surrogate Pressure Drop	Y		Pressure Drop across scrubber				**III.I.5.**

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033	Pulping System MACT I	N/A	Condensate Collection	Y		All named stream option based on 15-day average	Annual Quarterly testing Inpsections			**III.M.5., M.16., M.29.**
			Condensate Treatment	Y		Total HAP reduction of 92% or more by weight	Annual Quarterly testing Inpsections			**III.M.5., M.16., M.29.**
			UNOX Vent Gas Purity	Y						**III.M.13., M.14., M.33.**
			UNOX Oxygen Feed	Y						**III.M.13., M.14., M.33.**
			Clean Condensate Alternative Verify that the Effluent Header to the Cooling Tower Valve (Valve No. 3) is maintained in the closed position	Y		Replacement of the direct-contact WWTP cooling tower with a non-contact heat exchanger system				**III.M.35., M.36., M.37.**