

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

**Smurfit Stone Container Enterprises, Inc.  
Fernandina Beach Mill**

**Proposed Permit No.: 0890003-023-AV  
Facility ID No.: 0890003**

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

<b>E.U. ID No.</b>	<b>Brief Description</b>
<b>006</b>	<b>#5 Power Boiler</b>

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Particulate Matter	Carb	8760	0.3 lb/MMBTU	137.1	598.9			62-296.410(1)(b)2., F.A.C.	III.A.4.a
Particulate Matter	Fuel Oil		0.1 lb/MMBTU					62-296.405(1)(b), F.A.C.	III.A.4.b.1
Particulate Matter - soot blowing or load change	Fuel Oil		0.3 lb/MMBTU for no more than 3 hours/ 24 hours					62-210.700(3), F.A.C.]	III.A.4.b.2.
Sulfur Dioxide	Fuel Oil		2.5wt% sulfur content	1,733.7	6,618.62			62-296.405(1)(c)1.j., F.A.C.	III.A.5
TRS	NCGs		5ppmv	11.74	12.85			Rule 62-296.404(3)(f),	III.A.6.
Visible Emissions	Carb		30% opacity except 40/2					Rule 62-296.410(1)(b)1., F.	III.A.7.a.
Visible Emissions	Fuel Oil		30% opacity except 40/2					Rule 62-296.405(1)(a), F.A.	III.A.7.b.
Visible Emissions			no more than 60% opacity						
Emissions Soot			for no more than 3						
Blowing or Load	Fuel Oil		hours/24 hours					Rule 62-210.700(3), F.A.C.	III.A.7.c.
Mercury	WW		no more than 7.1 pounds						
	wood		of mercury per 24 hour						
	fiber		period.						
	residuals							40 CFR 61.52(b)	III.A.8.
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<b>E.U. ID No.</b>	<b>Brief Description</b>
<b>007</b>	<b>#4 Recovery Boiler</b>

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Particulate Matter	Total Reduced Sulfur	8760	0.044 gr/dscf	3.24	14.19			40 CFR 63.862(a)(1)(i)(A),	III.B.4.
Total Reduced Sulfur			5 ppmvd @ 8% O <sub>2</sub>					62-296.404(3)(c)1.b., F.A.C.	III.B.5.
Visible Emissions			<35% opacity for 6% operating time per quarter					62-296.404(1)(a), F.A.C.	III.B.6.

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<b>E.U. ID No.</b>	<b>Brief Description</b>
<b>011</b>	<b>#5 Recovery Boiler</b>

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Particulate Matter		8568	0.044 gr/dscf @ 8% O <sub>2</sub>	83.3	356.9			40 CFR 60.282(a)(1)(i)	
TRS			25 ppmvd @ 8% O <sub>2</sub>	26.3	112.67			40 CFR 63.862(a)(1)(i)(A)	III.C.4.
TRS			5 ppmvd @ 8% O <sub>2</sub>	5.26	22.53			PSD-FL-002 BACT	III.C.5.
Visible Emissions			<35% opacity					40 CFR 60.283(a)(3)	III.C.6.
								40 CFR 60.282(a)(1)(i)	III.C.6.
								40 CFR 60.282(a)(1)(ii)	III.C.7.
								PSD-FL-002 BACT	

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<b>E.U. ID No.</b>	<b>Brief Description</b>
<b>013</b>	<b>#4 Smelt Dissolving Tank</b>

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Particulate Matter		8760	0.20 lb/Ton BLS					40 CFR 63.862(a)(1)(i)(B)	III.D.3.
Total Reduced Sulfur			0.048 lb TRS/3000 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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<b>E.U. ID No.</b>	<b>Brief Description</b>
<b>014</b>	<b>#5 Smelt Dissolving Tank</b>

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Particulate Matter		8568	0.2 lb(PM)/ton of BLS	15.68	67.17			40 CFR 60.282(a)(2)	III.E.3. III.E.4. III.E.5.
Total Reduced Sulfur			0.033 lb TRS/ton of BLS	2.59	11.08			40 CFR 63.862(a)(1)(i)(B)	
Visible Emissions			<20% Opacity					40 CFR 60.283(a)(4) Rule 62-296.320(4)(b)1., F.	

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<b>E.U. ID No.</b>	<b>Brief Description</b>
<b>015</b>	<b>#7 Power Boiler</b>

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Particulate Matter		8760	0.1 lb/MMBTU	102.1	447.2			40CFR60.42(a)(1)	III.F.4.
Sulfur Dioxide	Solid		1.2 lb/MMBTU	1,225.20	5,366.38			40CFR60.43(a)(2)	III.F.5.a.
Sulfur Dioxide	Liquid		0.8 lb/MMBTU					40 CFR 60.43(a)(1)	III.F.5.b.
Nitrogen Oxides	Solid		0.6 lb/MMBTU	612.6	2,683.19			40CFR60.44(a)(3)	III.F.6.a.
Nitrogen Oxides	Liquid		0.3 lb/MMBTU					40 CFR 60.44(a)(2)	III.F.6.b.
Carbon Monoxide				93.6	409.97			40CFR52.21(j)	III.F.7.
Visible Emissions			20% opacity except 27/6					40CFR60.42(a)(2)	III.F.8.
Visible Emissions									
Coal Preparation			<20% opacity					40CFR60.252(c)	III.F.9.
Visible Emissions									
Fly Ash Handling			5% opacity					40CFR52.21(j)	III.F.10.
Particulate Matter									
Fly Ash Handling			0.5 lbs/hr					40 CFR 52.21(j);	III.F.11.

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**E.U. ID No.** | **Brief Description**

**020** | **Tall Oil**

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Total TRS		8760	0.05 lb TRS/ton of Tall Oil, 12-hr av	0.43	1.9			62-296.404(3)(b)1.	III.G.3.

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**E.U. ID No.** | **Brief Description**  
**021** | **#4 Lime Kiln**

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Particulate Matter		8736	0.064 gr/dscf					40 CFR 63.862(a)(1)(i)(C)	III.H.4.
Sulfur			8 ppmvd @ 10% O2	2.63	11.5			40 CFR 60.283(a)(5)	III.H.5.
Visible Emissions			20% opacity					62-296.320(4)(b)1.,FAC	III.H.6.
Visible Emissions			5% opacity					62-297.620(4),FAC	III.H.7.
No. 1 Lime Bin			0.03 gr/dscf					AC45-141878	III.H.8.
PM No. 1 Lime Bin			5% opacity					62-297.620(4),FAC	III.H.9.
Visible Emissions			0.03 gr/dscf					AC45-141878	III.H.10.
No. 2 Lime Bin			5% opacity						
PM No. 2 Lime Bin			0.03 gr/dscf						

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<b>E.U. ID No.</b>	<b>Brief Description</b>
<b>024</b>	<b>C-Line Brownstock Washer System</b>

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
TRS		8760	5 ppmvd	0.16	0.7			40 CFR 60.283(a)(1)(v)	III.I.3.
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E.U. ID No.	Brief Description
033	Pulping System MACT I

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
HAP Condensate Collection		8760	Collect Air Named Stream Option based on 15-day average					40 CFR 63.446(c)(1)	III.M.5.
Total HAP Condensate Treatment		8760	Total HAP destruction of at least 92% by weight					40 CFR 63.446(e)(3)]	
HAP Vent Collection		8760	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.
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