TABLE 1

SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
002	Kiln No. 1 Feed System		8,760	PM	1.02 lb/hr	1.02	4.47	AC27-258567 & 0530010-030-AC	E.6.
				VE	10% opacity before 1/1/2014 5% opacity after 1/1/2014 (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258567, 0530010-030-AC; 40 CFR 63.1348	E.5. & E.7.
003	Cement Kiln No. 1	Nat. gas, Fuel oil, Used Oil, Coal, Tires (WTDF)	8,760	PM/PM_{10} (1)	0.18 lbs/ton dry kiln feed	29.7 @165 TPH feed rate	117	0530010-003-AC / PSD-FL-233	F.11.
				PM	0.07 lb/ton Clinker *(9/15/2015 compliance date)*	7.0 @165 TPH feed rate	30	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				Mercury	55 lb/MM tons clinker *(9/15/2015 compliance date)*	0.0055 @165 TPH feed rate	0.024	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				THC	24 ppmvd *(9/15/2015 compliance date)*	N/A	N/A	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				HCl	3 ppmvd *(9/15/2015 compliance date)*	N/A	N/A	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				SO_2	0.10 lbs/ton dry kiln feed	16.5 @165 TPH feed rate	65	0530010-003-AC / PSD-FL-233	F.11.

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SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
				NO_x	1.21 lbs/ton dry kiln feed	181.5 @150 TPH - 30 day ave. feed rate	786.5	0530010-034-AC	F.11.
				CO	1.20 lbs/ton dry kiln feed	198.0 @165 TPH feed rate	780	0530010-003-AC / PSD-FL-233	F.11.
				VOC	0.09 lbs/ton dry kiln feed	14.9 @165 TPH feed rate	58.5	0530010-003-AC / PSD-FL-233	F.11.
				D/F	0.20 ng/dscm (8.7×10^{-11} grains/dscf)	1.23×10^{-7}	5.4×10^{-7}	NESHAP Subpart LLL	F.11.
				VE(1)	10% opacity	N/A	N/A	0530010-003-AC / PSD-FL-233	F.11.
004	Clinker Cooler No. 1		8760	PM/PM_{10}(1)	0.09 lbs/ton dry kiln feed	14.9 @165 TPH feed rate	58.5	0530010-003-AC/PSD-FL-233	F.11.
				PM	0.07 lb/ton Clinker *(9/15/2015 compliance date)*	7.0 @165 TPH feed rate	30	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				VE(1)	10% opacity	N/A	N/A	0530010-003-AC, ; NESHAP Subpart LLL	F.11.

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SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
005	Finish Mills Nos. 1 & 2		8,760	PM	9 lb/hr each baghouse (G-23-1 and G-23-2)	9	39.4	0530010-018-AC & 0530010-030-AC	I.6.
				VE	10% opacity before 1/1/2014 5% opacity after 1/1/2014 (5% opacity in lieu of PM stack test)	N/A	N/A	40 CFR 63.1345**; 0530010-017-AC, 0530010-018-AC, 0530010-030-AC	I.5. & I.7.
006	Clinker Storage Silo Nos. 1 & 2		7,896	PM	1.45 lb/hr	1.45	5.72	AC27-191616, 0530010-030-AC	G.6.
				VE	10% opacity before 1/1/2014 5% opacity after 1/1/2014 (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-191616, 0530010-030-AC; 40 CFR 63.1345**	G.5. & G.7.

TABLE 1

SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
008	No. 1 Kiln Blending Silos Nos. 1 and 2		8,760	PM	1.45 lb/hr Blending Silo 1 (Baghouse F-17)	1.45	6.35	AC27-258565, 0530010-030-AC	D.6.
				PM	1.02 lb/hr Blending Silo 2 (Baghouse E-36)	1.02	4.46	AC27-258565, 0530010-030-AC	D.6.
				VE	10% opacity before 1/1/2014 5% opacity after 1/1/2014 (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258565, 0530010-030-AC; 40 CFR 60.62(c)	D.5. & D.7.
009	Portland Cement Storage Silos Nos. 1-5		8760	PM	36.5 lb/hr before 1/1/2014 5.0 lb/hr after 1/1/2014	36.5 lb/hr before 2014 5.0 lb/hr after 2014	25 before 2014 21.9 after 2014	0530010-008-AC, 0530010-030-AC	J.6.
				VE	10% opacity before 1/1/2014 5% opacity after 1/1/2014 (5% opacity in lieu of PM stack test)	N/A	N/A	40 CFR 63.1345**; 0530010-008-AC	J.5. & J.7.

TABLE 1

SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
011	Raw Material Storage Silos and Feed System		8760	PM	1.29 lb/hr Storage Silos (Baghouse C-11)	1.29	5.66	AC27-258573, 0530010-030-AC	B.6.
				PM	0.86 lb/hr Transfer Belt (Baghouse C-11A)	0.86	3.77	AC27-258573, 0530010-030-AC	B.6.
				VE	10% opacity before 1/1/2014 5% opacity after 1/1/2014 (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258573, 0530010-030-AC; 40 CFR 63.1345**	B.5. & B.7.
012	Kiln No. 2 Blending Silo (No. 5 Blending Silo)		8760	PM	1.11 lb/hr Blending Silo (Baghouse G-11)	1.11	4.57	AC27-258566; 0530010-005-AC	D.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258566; 40 CFR 63.1345**	D.5. & D.7.
013	Kiln No. 2 Feed System		8760	PM	1.02 lb/hr	1.02	4.18	AC27-258568; 0530010-005-AC	E.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258568; 40 CFR 63.1345**	E.5. & E.7.

TABLE 1

SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
014	Cement Kiln No. 2	Nat. gas, Fuel oil, Used Oil, Coal	8,760	PM/PM_{10} (1)	0.18 lbs/ton dry kiln feed	29.7 @165 TPH feed rate	117	0530010-003-AC / PSD-FL-233	F.11.
				PM	0.07 lb/ton Clinker *(9/15/2015 compliance date)*	7.0 @165 TPH feed rate	30	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				Mercury	55 lb/MM tons clinker *(9/15/2015 compliance date)*	0.0055 @165 TPH feed rate	0.024	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				THC	24 ppmvd *(9/15/2015 compliance date)*	N/A	N/A	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				HCl	3 ppmvd *(9/15/2015 compliance date)*	N/A	N/A	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				SO_2	0.10 lbs/ton dry kiln feed	16.5 @165 TPH feed rate	65	0530010-003-AC / PSD-FL-233	F.11.
				NO_x	1.21 lbs/ton dry kiln feed	181.5 @150 TPH - 30 day ave. feed rate	786.5	0530010-034-AC	F.11.
				CO	1.20 lbs/ton dry kiln feed	198.0 @165 TPH feed rate	780	0530010-003-AC / PSD-FL-233	F.11.

TABLE 1

SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
				VOC	0.09 lbs/ton dry kiln feed	14.9 @165 TPH feed rate	58.5	0530010-003-AC / PSD-FL-233	F.11.
				D/F	0.20 ng/dscm (8.7×10^{-11} grains/dscf)	1.23×10^{-7}	5.4×10^{-7}	NESHAP Subpart LLL	F.11.
				VE	10% opacity	N/A	N/A	0530010-003-AC /PSD-FL-233	F.11.
015	Clinker Cooler No. 2		8760	PM/PM_{10} (1)	0.09 lbs/ton dry kiln feed	14.9 @165 TPH feed rate	58.5	0530010-003-AC/PSD-FL-233	F.11
				PM	0.07 lb/ton Clinker *(9/15/2015 compliance date)*	7.0 @165 TPH feed rate	30	NESHAP Subpart LLL (version 2/12/2013)	F.11.
				VE (1)	10% opacity	N/A	N/A	0530010-003-AC; NESHAP Subpart LLL	F.11
016	Clinker Silo No. 3		8760	PM	1.45 lb/hr	1.45	5.95	AC27-258575; 0530010-005-AC	K.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258575; 40 CFR 63.1345**	K.5. & K.7.

TABLE 1

SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
017	Clinker/Gypsum Transfer Belt		8760	PM	0.51 lb/hr	0.51	2.09	AC27-258575; 0530010-005-AC	K.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258575; 40 CFR 63.1345(2)	K.5. & K.7.
018	Finish Mill No. 3 Clinker/Gypsum Day Tank		8760	PM	1.45 lb/hr	1.45	5.95	AC27-258575; 0530010-005-AC	K.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258575; 40 CFR 63.1345(2)	K.5. & K.7.
019	Finish Mill No. 3		8760	PM	4.0 lb/hr	4.0	16.4	AC27-258576	I.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258576; 40 CFR 63.1345(2)	I.5. & I.7.
021	Cement Silos Nos. 7 and 8		8760	PM	1.0 lb/hr	1.0	4.1	0530010-004-AC; 0530010-005-AC	L.8.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	40 CFR 63.1345(2)	L.7. & L.9.

TABLE 1

SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
022	Masonry Silo		8760	PM	0.50 lb/hr	0.50	1.88	0530010-004-AC; 0530010-005-AC	L.8.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	40 CFR 63.1345(2)	L.7. & L.9.
023	Truck Load out System		8760	PM	0.50 lb/hr, 1.88 tpy	0.50	1.88	0530010-004-AC; 0530010-005-AC	L.8.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	40 CFR 63.1345(2)	L.7. & L.9.
024	Raw Material Pre-Mix Bin		8760	PM	0.60 lb/hr	0.60	2.54	AC27-258574	C.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	AC27-258574; 40 CFR 63.1345(2)	C.5. & C.7
025	Additive Material Storage Bin		8760	PM	0.02 gr/dscf (2.57 lb/hr based on 15,000 acfm air flow)	2.57	11.3	AC27-213454; 0530010-018-AC	H.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	40 CFR 63.1345(2); 0530010-016-AC	H.5. & H.7.

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SUMMARY OF AIR POLLUTANT STANDARDS AND TERMS

E.U. ID No.	Brief Description	Fuel(s)	Hrs/Yr	Pollutant Name	Standard Allowable Emissions	Equivalent Emissions* (lbs/hr)	Equivalent Emissions* (TPY)	Regulatory Citation(s)	See Permit Condition(s)
026	Cement Bag Load out System		7,400	PM	0.60 lb/hr	0.60	2.22	AC27-185904	M.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	40 CFR 63.1345(2); 0530010-018-AC	M.5 & M.7
027	Cement Bagging Line No. 2		6,240	PM	1.4 lb/hr	1.4	4.4	AC27-238889	N.6.
				VE	10% opacity (5% opacity in lieu of PM stack test)	N/A	N/A	40 CFR 63.1345(2)	N.5. & N.7.
031	Raw Material (Limestone) Quarrying , Crushing and Storage		8,760	VE	10% and 15% opacity (multiple emissions points)	N/A	N/A	40 CFR 60.670, 40 CFR 60.772, 0530010-027-AC	A.5.
032	Coal Handling and Grinding		8,760	VE	Less than 20% opacity	N/A	N/A	40 CFR 60.250 40 CFR 60.251 40 CFR 60.252	P.4.

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

(1) These PM/PM_{10} and opacity limits are effective until September 9, 2015 or until the facility certifies compliance with the new PM limit required by 40 CFR 63, Subpart LLL (version dated 2/12/2013), whichever comes first.

(2) 40 CFR 60 Subpart LLL version dated 2/12/2013

TABLE 2

COMPLIANCE REQUIREMENTS

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)
002	Kiln No. 1 Feed System		VE	N/A	Baghouse	9	each FFY		60 minutes	E.7. – E.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	E.7. – E.10.
003 & 014	Cement Kiln No. 1 & Cement Kiln No. 2	Coal, Gas, Oil, WTDF, used Oil	PM/PM10	PM CPMS* *(9/15/2015 compliance date)*	Baghouse	5	each FFY		3 one- hour runs	F.24., F.30., F.37.
			VE	COMS*	Baghouse	N/A	N/A		N/A	F.30., F.31.
			SO_2	N/A	N/A	6C	each FFY		3 one- hour runs	F.24., F.30., F.32.
			NO_X	NOx CEMS*	SNCR	N/A	N/A		N/A	F.30., F.39.
			CO	CEMS	N/A	10	each FFY		3 one- hour runs	F.24., F.30., F.40.
			D/F	N/A	N/A	23	Every 30 months (or if significant change)		3 one- hour runs	F.23., F.30.
			Mercury	CEMS	N/A	N/A	N/A		N/A	F.30., F.33.
			THC	CEMS	N/A	N/A	N/A		N/A	F.30., F.35.
			HCL	CEMS	N/A	N/A	N/A		N/A	F.30., F.34.
			Fuel Contaminants	N/A	N/A	fuel analysis	batch			

TABLE 2

COMPLIANCE REQUIREMENTS

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)
004 & 015	Cement Clinker Cooler No. 1 & Cement Clinker Cooler No. 2		PM/PM10	PM CPMS* *(9/15/2015 compliance date)*	Baghouse	5	each FFY		3 one- hour runs	F.24., F.30., F.37.
			VE	COMS*	Baghouse	N/A	N/A		N/A	F.30., F.31.
005	Finish Mills Nos. 1 & 2 with Two Dust Collectors		VE	N/A	Baghouse	9	each FFY		60 minutes	I.8. – I.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	I.8. – I.10.
			VE Observations	N/A	Baghouse	22	daily		6 minutes	I.11.
006	Clinker Storage Silos Nos. 1 & 2		VE	N/A	Baghouse	9	each FFY		60 minutes	G.8. – G.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		NA	G.8. – G.10.
008	No. 1 Kiln Blending Silos		VE	N/A	Baghouse	9	each FFY		60 minutes	D.7. – D.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	D.7. – D.10.
009	Portland Cement Storage Silos Nos. 1-5		VE	N/A	Baghouse	9	each FFY		60 minutes	J.8. – J.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	J.8. – J.10.
011	Raw Material Storage Silos & Feed System		VE	N/A	Baghouse	9	each FFY		60 minutes	B.8. – B.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	B.8. – B.10.

TABLE 2

COMPLIANCE REQUIREMENTS

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)
012	Kiln No. 2 Bending Silo [No. 5 Blending Silo]		VE	N/A	Baghouse	9	each FFY		60 minutes	D.8. – D.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	D.8. – D.10.
013	Kiln No. 2 Feed System		VE	N/A	Baghouse	9	each FFY		60 minutes	E.8. – E.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	E.8. – E.10.
016 & 017 & 018	Clinker Silo No. 3 & Clinker/Gypsum Transfer Belt & Finish Mill No. 3 Clinker/Gypsum Day Tank		VE	N/A	Baghouse	9	each FFY		60 minutes	K.8. – K.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	K.8. – K.10.
019	Finish Mill No. 3		VE	N/A	Baghouse	9	each FFY		60 minutes	I.8. – I.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	I.8. – I.10.
			VE Observations	N/A	Baghouse	22	daily		6 minutes	I.11.
021 & 022 & 023	Cement Silos Nos. 7 and 8 & Masonry Silo & Truck Load out System		VE	N/A	Baghouse	9	each FFY		60 minutes	L.10. – L.12.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	L.10. – L.12.

TABLE 2

COMPLIANCE REQUIREMENTS

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)
024	Raw Material Pre-Mix Bin		VE	N/A	Baghouse	9	each FFY		60 minutes	C.8. – C.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	C.8. – C.10.
025	Additive Material Storage Bin		VE	N/A	Baghouse	9	each FFY		60 minutes	H.9. - H.12.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	H.9. - H.12.
026	Cement Bag Load out System		VE	N/A	Baghouse	9	each FFY		60 minutes	M.8. – M.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	M.8. – M.10.
027	Cement Bagging Line No. 2		VE	N/A	Baghouse	9	each FFY		60 minutes	N.8. – N.10.
			PM	N/A	Baghouse	EPA Method 9 with 5% VE limit in lieu of PM test	each FFY		N/A	N.8. – N.10.
031	Raw Material (Limestone) Quarrying , Crushing and Storage		VE	N/A	N/A	9	each FFY		30 minutes	A.6 - A.11
032	Coal Handling and Grinding		VE	N/A	N/A	9	each FFY		30 minutes	P.5. – P.8.

*CEMS – Continuous Emission Monitoring System; COMS – Continuous Opacity Monitoring System; CPMS – Continuous Parameter Monitoring System