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)
001	Johnson Scotch Marine Type Boiler	Nat. Gas, No. 2 Fuel Oil	8760	PM & SO_2	BACT	N/A	N/A	- 62-296.406(2), F.A.C. - 62-296.406(3), F.A.C.	**A.2.**
				VE	20% Opacity except 40% for 2 min/hr	N/A	N/A	- 62-296.406(1), F.A.C.	**A.5.**
002	"A" Sulfuric Acid Plant		8760	SO_2	3-hr Rolling Ave: 5.6 lbs/ton of 100% H_2SO_4 24-hr Rolling Ave: 75.8 lb/hr	303.3 75.8	332	Construction Permits: • 0570005-020-AC • 0570005-21-AC /PSD-FL-355 • 0570005-34-AC	**B.5.**
002	"A" Sulfuric Acid Plant		8760	SAM	0.3 lb/ton of 100% H_2SO_4	1.43	6.3	Construction Permit 0570005-020-AC	**B.6.**
002	"A" Sulfuric Acid Plant		8760	NOx	0.12 lb/ton of 100% H_2SO_4	6.5	28.5	Construction Permit 0570005-34-AC	**B.7.**
002	"A" Sulfuric Acid Plant		8760	VE	10% opacity			62-296.402(1)(b)1, F.A.C.	**B.4.**
003	"B" Sulfuric Acid Plant		8760	SO_2	3-hr Rolling Ave: 3.5 lbs/ton of 100% H_2SO_4 24-hr Rolling Ave: 93.3 lb/hr	233.3 93.3	409	Construction Permit • 0570005-21-AC /PSD-FL-355 • 0570005-34-AC	**B.5.**
003	"B" Sulfuric Acid Plant		8760	SAM	0.027 lb/ton of 100% H_2SO_4	1.8	7.9	Construction Permit 0570005-034-AC (BART Exemption Project)	**B.6.**
003	"B" Sulfuric Acid Plant		8760	NOx	0.12 lb/ton of 100% H_2SO_4	8.0	35.0	Construction Permit 0570005-21-AC /PSD-FL-355	**B.7.**
003	"B" Sulfuric Acid Plant		8760	VE	10% opacity			• 62-296.402(1)(b)1, F.A.C • 40 CFR 60.83(a)(2) (Subpart H)	**B.4.**

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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)
004	"A" Phosphoric Acid Plant		8,760	Fluorides (F)	0.012 lb/ton of "equivalent P_2O_5 feed"	0.85	3.7	• Construction Permit 0570005-21-AC /PSD-FL-355 • 62-296.403, F.A.C. • 40 CFR 60, Subpart T • 40 CFR 63, Subpart AA	**C.2.**
007	"C" Sulfuric Acid Plant		8760	SO_2	3-hr Rolling Ave: 3.25 lbs/ton of 100% H_2SO_4 24-hr Rolling Ave: 303.3 lb/hr	352 303.3	1,329	Construction Permit • 0570005-26-AC /PSD-FL-339B • 0570005-34-AC	**B.5.**
007	"C" Sulfuric Acid Plant		8760	SAM	0.093 lb/ton of 100% H_2SO_4	10.1	44.2	Construction Permit • 0570005-26-AC /PSD-FL-339B • 0570005-34-AC	**B.6.**
007	"C" Sulfuric Acid Plant		8,760	NOx	0.11 lb/ton of 100% H_2SO_4	11.9	52.1	Construction Permit 0570005-26-AC /PSD-FL-339B	**B.7.**
007	"C" Sulfuric Acid Plant		8,760	VE	10% opacity			62-212.400, F.A.C.	**B.4.**
008	"D" Sulfuric Acid Plant		8,760	SO_2	3-hr Rolling Ave: 3.25 lbs/ton of 100% H_2SO_4 24-hr Rolling Ave: 303.3 lb/hr	352 303.3	1,329	Construction Permit • 0570005-26-AC /PSD-FL-339B • 0570005-34-AC	**B.5.**
008	"D" Sulfuric Acid Plant		8,760	SAM	0.093 lb/ton of 100% H_2SO_4	10.1	44.2	Construction Permit • 0570005-26-AC /PSD-FL-339B • 0570005-34-AC	**B.6.**
008	"D" Sulfuric Acid Plant		8,760	NOx	0.11 lb/ton of 100% H_2SO_4	11.9	52.1	Construction Permit 0570005-26-AC /PSD-FL-339B	**B.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	"D" Sulfuric Acid Plant		8,760	VE	10% opacity			62-212.400, F.A.C.	**B.4.**
009	"B" Phosphoric Acid Plant		8,760	Fluorides (F)	0.012 lb/ton of "equivalent P_2O_5 feed"	1.26	5.5	• Construction Permit 0570005-21-AC /PSD-FL-355 • 62-296.403, F.A.C. • 40 CFR 60, Subpart T • 40 CFR 63, Subpart AA	**C.2.**
010	"A" DAP/MAP Plant	Nat. Gas & No. 5 Oil	8,760	PM	13.0 lbs/hr & 56.9 tons/yr	13.0	56.9	Construction Permit 0570005-21-AC /PSD-FL-355	**D.5.**
010	"A" DAP/MAP Plant	Nat. Gas & No. 5 Oil	8,760	Fluorides (F)	0.06 lb/ton	1.77	7.76	62-296.403, F.A.C. 40 CFR 63.622(a) (Subpart BB)	**D.6.**
011	"Z" DAP/MAP Plant	Nat. Gas & No. 5 Oil	8,760	PM	15.0 lbs/hr & 65.7 tons/yr	15.0	65.7	Construction Permit 0570005-21-AC /PSD-FL-355 62-296.700(2)(b), F.A.C.	**E.7.**
011	"Z" DAP/MAP Plant	Nat. Gas & No. 5 Oil	8,760	Fluorides (F)	0.06 lb/ton	1.44	6.31	62-296.403, F.A.C. 40 CFR 63.622(a) (Subpart BB)	**E.5.**
012	"X" DAP/MAP Plant	Nat. Gas & No. 5 Oil	8,760	PM	10.62 lbs/hr (DAP) 13.75 lbs/hr (MAP) & 41.88 tons/yr	10.62 (DAP) 13.75 (MAP)	41.88	• Construction Permit AC29-210979 • 62-212.300, F.A.C.	**E.7.**
012	"X" DAP/MAP Plant	Nat. Gas & No. 5 Oil	8,760	Fluorides (F)	0.035 lb/ton (DAP Mode) 0.04 lb/ton (MAP Mode)	1.7 (DAP) 6.2 (MAP)	6.7	• Construction Permit AC29-210979 • 62-296.403, F.A.C. • 62-212.300, F.A.C. • 40 CFR 63.622(b) (Subpart BB)	**E.5.**

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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)
013	"Y" DAP/MAP Plant	Nat. Gas & No. 5 Oil	8,760	PM	15.3 lbs/hr & 67 tons/yr	15.3	67	Construction Permit AC29-165420	**E.7.**
013	"Y" DAP/MAP Plant	Nat. Gas & No. 5 Oil	8,760	Fluorides (F)	0.06 lb/ton	2.2	9.6	• Construction Permit AC29-165420 • 40 CFR 63.622(a) &(b) (Subpart BB)	**E.5.**
015, 018, 019, 020	• A Shipping Baghouse • B Shipping Baghouse • B Truck Loading • B Railcar Loading		8,760	PM & VE	5 lbs/hr (PM) 5% (VE)	5	21.9	• Construction Permit 0570005-21-AC /PSD-FL-355 • 62-297.620(4), F.A.C.	**G.3. & G.4.**
022, 023, 024, 033	• 2600 Ton Storage tank • Truck Pit A • Truck Pit B • 5000 Ton Storage Tank		8,760	VE	10% opacity			Construction Permit AC29-187327	**H.3.**
032	Phosphoric Acid Cleanup		8,760 (730 acid transfer)	Fluorides (F)	0.28 lbs/hr	0.28	1.23	Construction Permit 0570005-006-AC	**I.3.**

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

TABLE 2

COMPLIANCE REQUIREMENTS

E.U. ID No.	Brief Description	Fuel(s)	Pollutant Name	Emission Monitoring[1]	Emission Control	Compliance Method EPA Method	Testing Time Frequency	Frequency Base Date [2]	Min. Compliance Test Duration	See Permit Condition(s)
001	Johnson Scotch Marine Type Boiler	Nat. Gas & No. 2 Oil	VE			DEP Method 9	Prior to TV Renewal	N/A	60 minutes	**A.7. and A.9.**
002	"A" Sulfuric Acid Plant		SO_2	CEMS	SO2 Scrubber				N/A	**B.15.**
002	"A" Sulfuric Acid Plant		SAM		Mist Eliminator	EPA Method 8	FFY	N/A		**B.12., B.14.**
002	"A" Sulfuric Acid Plant		NOx			EPA Method 7E	FFY	N/A		**B.12., B.14..**
002	"A" Sulfuric Acid Plant		VE			EPA Method 9	FFY	N/A	60 minutes	**B.12., B.14.**
003	"B" Sulfuric Acid Plant		SO_2	CEMS	SO2 Scrubber					**B.15.**
003	"B" Sulfuric Acid Plant		SAM		Mist Eliminator	EPA Method 8	FFY	N/A		**B.12., B.14.**
003	"B" Sulfuric Acid Plant		NOx			EPA Method 7E	FFY	N/A		**B.12., B.14.**
003	"B" Sulfuric Acid Plant		VE			EPA Method 9	FFY	N/A	60 minutes	**B.12., B.14.**
004	"A" Phosphoric Acid Plant		F		Packed Bed Scrubber & Wet Cyclone Separator	EPA Methods 5B, 13A & 13B	FFY	N/A		**C.8., C.10.**
007	"C" Sulfuric Acid Plant		SO_2	CEMS	Double Contact Process					**B.15.**
007	"C" Sulfuric Acid Plant		SAM		Mist Eliminator	EPA Method 8	FFY	N/A		**B.12., B.14.**
007	"C" Sulfuric Acid Plant		NOx			EPA Method 7E	FFY	N/A		**B.12., B.14.**
007	"C" Sulfuric Acid Plant		VE			EPA Method 9	FFY	N/A	60 minutes	**B.12., B.14.**
008	"D" Sulfuric Acid Plant		SO_2	CEMS	Double Contact Process					**B.15.**
008	"D" Sulfuric Acid Plant		SAM		Mist Eliminator	EPA Method 8	FFY	N/A		**B.12., B.14.**

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COMPLIANCE REQUIREMENTS

E.U. ID No.	Brief Description	Fuel(s)	Pollutant Name	Emission Monitoring[1]	Emission Control	Compliance Method EPA Method	Testing Time Frequency	Frequency Base Date [2]	Min. Compliance Test Duration	See Permit Condition(s)
008	"D" Sulfuric Acid Plant		NOx			EPA Method 7E	FFY	N/A		**B.12., B.14.**
008	"D" Sulfuric Acid Plant		VE			EPA Method 9	FFY	N/A	60 minutes	**B.12., B.14.**
009	"B" Phosphoric Acid Plant		F		Packed Bed Scrubber	EPA Methods 5B, 13A & 13B	FFY	N/A		**C.8., C.10.**
010	"A" DAP/MAP Plant	Nat. Gas & No. 5 Oil	PM & F		Cyclones, Venturi Scrubbers & Wet Scrubbers	EPA Methods 5B, 13A & 13B	FFY	N/A		**D.10., D.12., D.13.**
011	"Z" DAP/MAP Plant	Nat. Gas & No. 5 Oil	PM & F		Cyclones, Venturi Scrubbers & Wet Scrubbers	EPA Methods 5B, 13A & 13B	FFY	N/A		**E.11., E.12., E.13.**
012	"X" DAP/MAP Plant	Nat. Gas & No. 5 Oil	PM & F		Cyclones, Venturi Scrubbers & Wet Scrubbers	EPA Methods 5B, 13A & 13B	FFY	N/A		**E.11., E.12., E.13..**
013	"Y" DAP/MAP Plant	Nat. Gas & No. 5 Oil	PM & F		Cyclones, Venturi Scrubbers & Wet Scrubbers	EPA Methods 5B, 13A & 13B	FFY	N/A		**E.11., E.12., E.13..**
015, 018, 019, 020	• A Shipping Baghouse • B Shipping Baghouse • B Truck Loading • B Railcar Loading		PM & VE		Baghouse, Dust Suppressant	DEP Method 9	FFY	N/A	60 minutes	**G.6., G.8.**
022, 023, 024, 033	• 2600 Ton Storage tank • Truck Pit A • Truck Pit B • 5000 Ton Storage Tank		VE			DEP Method 9	FFY	N/A	60 minutes	**H.4., H.6.**

TABLE 2

COMPLIANCE REQUIREMENTS

E.U. ID No.	Brief Description	Fuel(s)	Pollutant Name	Emission Monitoring[1]	Emission Control	Compliance Method EPA Method	Testing Time Frequency	Frequency Base Date [2]	Min. Compliance Test Duration	See Permit Condition(s)
032	Phosphoric Acid Cleanup		F		Packed Bed Scrubber	EPA Methods 5B, 13A & 13B	FFY	N/A		**I.4., I.6.**

1. CEMS = Continuous Emission Monitoring System
2. The frequency base date is established for planning purposes only; see Rule 62-297.310, F.A.C.