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)
004	No. 7 Sulfuric Acid Plant		8760	SO_2	24-hr Block Ave: 400 lb/hr (Equivalent: 3.0 lb SO_2/ton of 100% H_2SO_4)	400	1752	Construction Permit No. 0570008-061-AC (BART Exemption Project)	**A.8.**
004	No. 7 Sulfuric Acid Plant		8760	SAM	6.7 lb/hr (Equivalent: 0.05 lb/ton of 100% H_2SO_4)	6.7	29.3	Construction Permit No. 0570008-061-AC	**A.9.**
004	No. 7 Sulfuric Acid Plant		8760	VE	10% opacity except that a 40% opacity is allowed for a thirty (30) minute during the plant start-up			62-296.402(1)(b)1, F.A.C.	**A.6.& A.7**
005	No. 8 Sulfuric Acid Plant		8760	SO_2	24-hr Block Ave: 315 lb/hr (Equivalent: 2.80 lb SO_2/ton of 100% H_2SO_4)	315	1380	Construction Permit No. 0570008-061-AC (BART Exemption Project)	**A.8.**
005	No. 8 Sulfuric Acid Plant		8760	SAM	5.6 lb/hr (Equivalent: 0.05 lb/ton of 100% H_2SO_4)~~0.05 lb/ton of 100% H_2SO_4~~	5.6	24.5	Construction Permit No. 0570008-061-AC	**A.9.**
005	No. 8 Sulfuric Acid Plant		8760	VE	10% opacity except that a 40% opacity is allowed for a thirty (30) minute during the plant start-up			62-296.402(1)(b)1, F.A.C.	**A.6.& A.7**
006	No. 9 Sulfuric Acid Plant		8760	SO_2	24-hr Block Ave: 425 lb/hr (Equivalent: 3.0 lb SO_2/ton of 100% H_2SO_4)	425	1862	Construction Permit No. 0570008-061-AC (BART Exemption Project)	**A.8.**
006	No. 9 Sulfuric Acid Plant		8760	SAM	7.1 lb/hr (Equivalent: 0.05 lb/ton of 100% H_2SO_4)~~0.05 lb/ton of~~	7.1	31.1	Construction Permit No. 0570008-061-AC	**A.9.**

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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)
					~~100% H_2SO_4~~				
006	No. 9 Sulfuric Acid Plant		8,760	VE	10% opacity except that a 40% opacity is allowed for a thirty (30) minute during the plant start-up			62-296.402(1)(b)1, F.A.C.	**A.6.& A.7**
007	No. 6 AP Plant		8,760	F	~~0.035~~ 0.02 lb/ton of product (Equivalent 0.0355 lb/ton of P_2O_5 input)	3.00	13.16	0570008-044-AC/PSD-FL-336 63.622(a)	**~~B.6.~~ B.4.**
007	No. 6 AP Plant		8,760	PM	~~0.15~~ 0.07 lb/ton of product (Equivalent 0.15 lb/ton of P_2O_5 input)	12.88	56.39	0570008-044-AC/PSD-FL-336 62-296.705(2)(a), F.A.C.	**B.4.**
007	No. 6 AP Plant	No. 2 oil	400	SO_2	0.5% S by weight	30.4	6.4	AC 29-227826	**B.21.**
007	No. 6 AP Plant		N/A	VE	20% opacity			62-296.705(2)(a), F.A.C. 62-296.320(4)(b)(1), F.A.C.	**B.5.**
112	Auxiliary Steam Boiler	Nat. Gas	8,760	VE	20% opacity except 27% for one 2 min/hr during start up	N/A	N/A	62-296.406(1),F.A.C.	**C.5.**
112	Auxiliary Steam Boiler	Nat. Gas	8,760	SO_2	0.05% S by weight	0.07	0.029	62-296.406(2),F.A.C.	**C.2.**
051	• Conveyor 9 transfer points and Railcar Unloading		8,000	PM VE	0.02 gr/dscf, 3.01 lbs/hr, 12.05 TPY 5% opacity	3.1 N/A	12.05 N/A	• AC29-234652 0570008-065-AC • 62-296.711(2)(a), F.A.C.	**D.6. & D.7.**
052	• Conveyor 9 to Shipping Belt Conveyor		8,000	PM VE	0.02 gr/dscf,1.40 lbs/hr, 5.6 tpy 5% opacity	1.40	5.6	• AC29-234652 0570008-065-AC • 62-296.711(2)(a), F.A.C.	**D.6. & D.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)
053	• Vessel Loading Operation		8,000	PM VE	0.02 gr/dscf, 1.45 lbs/hr, 5.81 tpy 5% opacity	1.45	5.81	• AC29-234652 0570008-065-AC • 62-296.711(2)(a), F.A.C.	**D.6. & D.7.**
058	• Conveyor No. 6 to Conveyor No. 7		4,000	PM VE	0.02 gr/dscf, 0.85 lbs/hr, 1.69 tpy 5% opacity	0.85	1.69	• AC29-234652 0570008-065-AC • 62-296.711(2)(a), F.A.C.	**D.6. & D.7.**
059	• Conveyor No. 7 to Conveyor No. 8		6000	PM VE	0.02 gr/dscf, 0.85 lbs/hr, 2.54 tpy 5% opacity	0.85	2.54	• AC29-234652 0570008-065-AC • 62-296.711(2)(a), F.A.C.	**D.6. & D.7.**
060	• Screening Tower & Conveyor No. 8 to Conveyor No. 9		6000	PM VE	0.02 gr/dscf, 4.60 lbs/hr, 13.81 tpy 5% opacity	4.60	13.81	• AC29-234652 0570008-065-AC • 62-296.711(2)(a), F.A.C.	**D.6. & D.7.**
061	• Shiphold/ Chokefeed		8000	PM VE	0.10 lbs/hr, 0.42 tpy 10% opacity	0.10 lbs/hr	0.42 tpy	• AC29-234652 0570008-065-AC • 62-296.711(2)(a), F.A.C.	**D.6. & D.7.**
055	No. 5 AP Plant	Nat Gas/No. 2 Oil	8760	PM VE	~~0.0122 gr/acf, 0.19~~ 0.0817 lb/ton of ~~P_2O_5 input~~ product, 12.8 lbs/hr, 56.1 tpy (Equivalent 0.15 lb/ton of P_2O_5 input) 10% Opacity	12.8	56.~~0~~1	AC29-196763, AC29-237303, BACT Determination 11/25/91 AC29-196763 BACT Determination	~~**E.4**~~ **B.4.** ~~**E.5**~~ **B.6.**

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)
055 Cont'd	No. 5 AP Plant (Cont'd)	No. 2 Oil	400	F	~~0.06~~ 0.0211 lb/ton of ~~P_2O_5 input~~ product, 3.3 lbs/hr, 14.5 tpy (Equivalent 0.06 lb/ton of P_2O_5 input)	3.3	14.5	11/25/91 AC29-196763, AC29-237303, BACT Determination 11/25/91	~~**E.4**~~ **B.4.**
				SO_2	~~0.58 lb/ton of P_2O_5 input~~, 12.7 lbs/hr, 2.6 tpy	12.7	2.6	AC29-196763, AC29-237303, BACT Determination 11/25/91	~~**E.2**~~ **B.2.**
			8760	NH_3	20 lbs/hr	20.0		~~Title XXIX, Section 386.041 Laws of Florida~~	~~**E.8.**~~ **B.10.**
063	• Molten Sulfur Storage and Handling System -- Tanks 1, 2, 3		8760	VE	10% Opacity	0.37	1.0		**F.3.**
066	• Molten Sulfur Storage and Handling System -- Pit#7			VE (Ship Unload)	15% Opacity				**.F.3.**
067	• Molten Sulfur Storage and Handling System -- Pit#8			PM (Scrubber)	0.03 gr/dscf				F.4,
068	• Molten Sulfur Storage and								

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)
074	Handling System -- Pit#9 • Molten Sulfur Storage and Handling System -- Truck Loading Station								
073	Phosphoric Acid Production Facility		8760	F	0.012 Lb/ton of P_2O_5 feed	2.04	8.9	0570008-036-AC/PSD-FL-315 40CFR63.602(a)	**G.3.**
078	Animal Feed Ingredient (AFI) Plant No. 1	Gas/No. 2 oil	8760	PM	13 lbs/hr, 58 tpy	13	58	62-296.403(2), and 62-296.705(2)(a), F.A.C. 0570008-043-AC/PSD-FL-315D	**H.5.**
				F	2.11 lbs/hr, 9.25 tpy	2.11	9.25	62-296.403(2), and 62-296.705(2)(a), F.A.C. 0570008-043-AC/PSD-FL-315D	**H.5.**
		No. 2 oil	400	SO_2				0570008-043-AC/PSD-FL-315D	**H.2.**
				VE	15% Opacity			62-296.320(4)(b), F.A.C.	**H.6.**
079	Diatomaceous Earth Silo		8760	PM	0.012 gr/dscf	0.053	0.23	AC29-261247, 62-296.403(2), and 62-296.705(2)(a), F.A.C.	**H.5.**
			N/A	VE	5% Opacity			62-296.711(3)(c), F.A.C., 0570008-013-AC/PSD-FL-234	**H.7.**
080	Limestone Silo		8760	PM	0.012 gr/dscf	0.32	1.40	62-296.403(2) and 62-296.705(2)(a), F.A.C. 0570008-043-AC/PSD-FL-315D	**H.5.**

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)
			N/A	VE	5% Opacity			62-296.711(3)(c), F.A.C., 0570008-043-AC/PSD-FL-315D	**H.7.**
081	Animal Feed Plant Loadout System		3500	PM	0.012 gr/dscf	2.06	9.01	62-296.403(2) and 62-296.705(2)(a), F.A.C. 0570008-043-AC/PSD-FL-315D	**H.5.**
			N/A	VE	5% Opacity			62-296.711(3)(c), F.A.C., 0570008-043-AC/PSD-FL-315D	**H.7.**
103	AFI Plant No. 2	Gas/Oil	8760	PM		13	4.82	62-296.403(2), 62-296.705(2)(a), F.A.C. 0570008-043-AC/PSD-FL-315D	**H.5.**
		No. 2 oil	400	SO_2	0.5% S by weight				**H.2**
				VE	15% Opacity			62-296.320(4)(b), F.A.C.	**H.6.**
109	Clarifier & Storage Tanks		8760	F	Engineering Estimate			62-296.403(1)(a), F.A.C.	**I.2.**
075	AP Storage Buildings 2, 4, 5 & 6		8760	VE	5% Opacity	N/A	N/A	62-296.711(2)(a), F.A.C., Hillsborough County Code 1-3.52 0570008-052-AC	**K.5.**
076	AP Loadout Beteen Storage Buildings 2 & 4		8760	VE	5% Opacity	N/A	N/A	62-296.711(2)(a), F.A.C., Hillsborough County Code 1-3.52 0570008-052-AC	**K.5.**
077	AP Loadout adjacent to Storage Building 6		8760	VE	5% Opacity	N/A	N/A	62-296.711(2)(a), F.A.C., Hillsborough County Code 1-3.52 0570008-052-AC	**K.5.**

* 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)
004	No. 7 Sulfuric Acid Plant		SO_2	CEMS	Double Contact Process ~~SO2 Scrubber~~				N/A	**A.14.**
004	No. 7 Sulfuric Acid Plant		SAM		Mist Eliminator	EPA Method 8	FFY	N/A		**A.16. - A.18.**
004	No. 7 Sulfuric Acid Plant		VE			EPA Method 9	FFY	N/A	60 minutes	**A.16.-A.18.**
005	No. 8 Sulfuric Acid Plant		SO_2	CEMS	Double Contact Process ~~SO2 Scrubber~~					**A.14.**
005	No. 8 Sulfuric Acid Plant		SAM		Mist Eliminator	EPA Method 8	FFY	N/A		**A.16.- A.18.**
005	No. 8 Sulfuric Acid Plant		VE			EPA Method 9	FFY	N/A	60 minutes	**A.16.- A.18.**
006	No. 9 Sulfuric Acid Plant		SO_2	CEMS	Double Contact Process					**A.14.**
006	No. 9 Sulfuric Acid Plant		SAM		Mist Eliminator	EPA Method 8	FFY	N/A		**A.16.- A.18.**
006	No. 9 Sulfuric Acid Plant		VE			EPA Method 9	FFY	N/A	60 minutes	**A.16., A.18.**
007	No. 6 AP Plant	Nat. Gas & No. 5 Oil	PM, F & VE		Venturi Scrubbers Tailgas Scrubbers & Dust Suppressant	EPA Method 5, 9, 13A & 13B	FFY	N/A	60 minutes	**B.8.- B.10.**
112	Aux Steam Boiler	Nat. Gas	VE			EPA Methods 9	Renewal	N/A		**C.5., C.10**
063, 066, 067	• Molten S Storage & Handling – Tanks 1, 2, 3 • Molten S Storage & Handling – Pit 7 • Molten S Storage & Handling –		PM & VE		Wet Scrubber	DEP Methods 5 & 9	FFY	N/A	30 minutes	**F.6. – F.9.**

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)
068 **074**	Pit 8 • Molten S Storage & Handling – Pit 9 • Molten S Storage & Handling – Truck Loading Station									
055	No. 5 Granulation Plant	Nat. Gas & No. 5 Oil	PM, F, SO_2, NH_3 & VE		Venturi Scrubbers	EPA Method 5, 6, 9, 13A & 13B	FFY	FFY	60 minutes	**~~E.6. E.9.~~ B.8. – B.10.**
073	Phosphoric Acid Plant		F		Packed Bed Scrubber	EPA Methods 13A & 13B	FFY	N/A		**G.4.-G.6.**
078, 103, 079, 080, **081**	• AFI 1 • AFI 2 • DE Silo • Limestone Silo • AFI Loadout		PM, F & VE		Baghouse, Dust Suppressant	DEP Methods, 9, 13A & 13B	FFY	N/A	30 minutes	**H.9.**
075, **076,** **077**	• AP Storage Buildings 2, 4, 5 & 6 • AP Loadout between Storage Buildings 2 & 4 • AP Loadout adjacent to Storage Building 3		VE		Baghouse, Dust Suppressant	DEP Method 9	FFY	N/A	30 minutes	**K.7.-K.10.**

TABLE 2

COMPLIANCE REQUIREMENTS

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.