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	~~4 lbs/ton (3-hour avg.)~~ ~~3.5 lbs/ton (24-hour avg.)~~ 24-hr Block Ave: 400 lb/hr	~~533~~ ~~467~~ 400	~~2044~~ 1752	Construction Permit No. 0570008-061-AC (BART Exemption Project)	**A.8.**
004	No. 7 Sulfuric Acid Plant		8760	SAM	~~0.12~~ 0.05 lb/ton of 100% H_2SO_4	~~16~~ 6.7	~~70~~ 29.3	Construction Permit No. 0570008-061-AC	**A.9.**
004	No. 7 Sulfuric Acid Plant		8760	VE	10% opacity			62-296.402(1)(b)1, F.A.C.	**A.6.& A.7**
005	No. 8 Sulfuric Acid Plant		8760	SO_2	~~4 lbs/ton (3-hour avg.)~~ ~~3.5 lbs/ton (24-hour avg.)~~ 24-hr Block Ave: 315 lb/hr	~~450~~ 315	1380	Construction Permit No. 0570008-061-AC (BART Exemption Project)	**A.8.**
005	No. 8 Sulfuric Acid Plant		8760	SAM	~~0.10~~ 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			62-296.402(1)(b)1, F.A.C.	**A.6.& A.7**
006	No. 9 Sulfuric Acid Plant		8760	SO_2	~~4 lbs/ton (3-hour avg.)~~ ~~3.5 lbs/ton (24-hour avg.)~~ 24-hr Block Ave: 425 lb/hr	~~566.7~~ ~~495.8~~ 425	~~2172~~ 1862	Construction Permit No. 0570008-061-AC (BART Exemption Project)	**A.8.**
006	No. 9 Sulfuric Acid Plant		8760	SAM	~~0.10~~ 0.05 lb/ton of 100% H_2SO_4	~~14.2~~ 7.1	~~62.1~~ 31.1	Construction Permit No. 0570008-061-AC	**A.9.**
006	No. 9 Sulfuric Acid Plant		8,760	VE	10% opacity			62-296.402(1)(b)1, F.A.C.	**A.6.& A.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)
007	No. 6 AP Plant		8,760	F	0.035 lb/ton	3.00	13.16	0570008-044-AC/PSD-FL-336 63.622(a)	**B.6.**
007	No. 6 AP Plant		8,760	PM	0.15 lb/ton of product	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.2.**
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.**
043	Auxiliary Steam Boiler	Nat. Gas & No. 2 Oil	8,760	VE	20% opacity except 40% for one 2 min/hr during start up	N/A	N/A	62-296.406(1),F.A.C.	**C.4.**
043	Auxiliary Steam Boiler	Nat. Gas & No. 2 Oil	8,760	PM	0.10 lbs/MMBtu, 13 lbs/hr & 57 tons/yr	13	57	62-296.702(2)(a), F.A.C.	**C.5.**
043	Auxiliary Steam Boiler	No. 2 Oil	8,760	SO_2	0.5% S by weight	46.15	202.14	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, ~~1.16~~ 3.01 lbs/hr, ~~4.6~~ 12.05 TPY 5% opacity	~~1.16~~ 3.1 N/A	~~4.6~~ 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	0.0~~3~~2 gr/dscf, ~~1.16~~ 1.40 lbs/hr, ~~4.6~~ 5.6 tpy 5% opacity	~~1.16~~ 1.40	~~4.6~~ 5.6	• AC29-234652 0570008-065-AC • 62-296.711(2)(a), F.A.C.	**D.6. & D.7.**
053	• Vessel Loading Operation		8,000	PM	0.0~~3~~2 gr/dscf, ~~3.10~~ 1.45 lbs/hr, ~~12.4~~ 5.81 tpy	~~3.10~~ 1.45	~~12.4~~ 5.81	• AC29-234652	**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)
058	• Conveyor No. 6 to Conveyor No. 7		4,000	VE PM	5% opacity 0.02 gr/dscf, ~~0.62~~ 0.85 lbs/hr, ~~1.2~~ 1.69 tpy	~~0.62~~ 0.85	~~1.2~~ 1.69	0570008-065-AC • 62-296.711(2)(a), F.A.C. • AC29-234652	**D.6. & D.7.**
059	• Conveyor No. 7 to Conveyor No. 8		6000	VE PM	5% opacity 0.02 gr/dscf, ~~0.62~~ 0.85 lbs/hr, ~~1.9~~ 2.54 tpy	~~0.62~~ 0.85	~~1.90~~ 2.54	0570008-065-AC • 62-296.711(2)(a), F.A.C. • AC29-234652	**D.6. & D.7.**
060	• Screening Tower & Conveyor No. 8 to Conveyor No. 9		6000	VE PM	5% opacity 0.02 gr/dscf, ~~1.19~~ 4.60 lbs/hr, ~~3.6~~ 13.81 tpy	~~1.19~~ 4.60	~~3.60~~ 13.81	0570008-065-AC • 62-296.711(2)(a), F.A.C. • AC29-234652	**D.6. & D.7.**
061	• Shiphold/Choke		8000	VE PM	5% opacity 0.10 lbs/hr, 0.42 tpy	0.10 lbs/hr	0.42 tpy	0570008-065-AC • 62-296.711(2)(a), F.A.C. • AC29-234652	**D.6. & D.7.**
055	No. 5 AP Plant	Nat Gas/No. 2 Oil	8760	VE PM	10% Opacity 0.0122 gr/acf, 0.19 lb/ton of P_2O_5 input, 12.8 lbs/hr, 56 tpy	12.8	56.0	0570008-065-AC • 62-296.711(2)(a), F.A.C. • AC29-234652	**D.6. & D.7.**
				F	0.06 lb/ton of P_2O_5 input, 3.3 lbs/hr, 14.5 tpy	3.3	14.5	AC29-196763, AC29-237303, BACT Determination 11/25/91 AC29-196763 BACT Determination 11/25/91 AC29-196763, AC29-237303,	**E.4** **E.5** **E.4**

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	SO_2	0.58 lb/ton of P_2O_5 input, 12.7 lbs/hr, 2.6 tpy	12.7	2.6	BACT Determination 11/25/91 AC29-196763, AC29-237303, BACT Determination 11/25/91	**E.2**
			8760	NH_3	20 lbs/hr	20.0		Title XXIX, Section 386.041 Laws of Florida	**E.8.**
063 • Molten Sulfur Storage and Handling System -- Tanks 1, 2, 3									
066 • Molten Sulfur Storage and Handling System -- Pit#7				VE	10% Opacity			~~62-296.411(1)(g) and (i), F.A.C.~~	~~III. J.2.~~**F.3.**
067 • Molten Sulfur Storage and Handling System -- Pit#8			8760	VE (Ship Unload)	15% Opacity			~~62-296.411(1)(g) and (i), F.A.C.~~	~~III. J.2.~~**F.3.**
068 • Molten Sulfur Storage and Handling System -- Pit#9				PM (Scrubber)	0.03 gr/dscf	0.37	1.02	~~62-296.411(1)(c), F.A.C.~~	~~III.J.3.~~F.4, **F.5.**
074 • Molten Sulfur Storage and Handling									

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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)
	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)	~~III.~~ ~~M.2.~~ **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	23.51 lbs/hr, 4.82 tpy	23.51	4.82	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.**
			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		3500	PM	0.012 gr/dscf	2.06	9.01	62-296.403(2) and 62-296.705(2)(a), F.A.C.	**H.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)
	Loadout System		N/A	VE	5% Opacity			0570008-043-AC/PSD-FL-315D 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	23.51			**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	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	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.**
043	Aux Steam Boiler	Nat. Gas & No. 2 Oil	VE			EPA Methods 9	FFY	N/A		**C.7.-C.9**
051, 052, 053,	• Conveyor 9 trf pts & Railcar Unloading • Conveyor 9 to Shipping Belt Conveyor • Vessel Loading		PM & VE		Baghouse, Dust Suppressant	DEP Method 9	FFY	N/A	30 minutes	**D.9.-D.13**

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)
058, **059,** **060,** **061**	Operations • Conveyor 6 to Conveyor 7 • Connveyor 7 to Conveyor 8 • Screen Tower & Conveyor 8 to Conveyor 9 • East Vessel Loading									
063, **066,** **067** **068** **074**	• Molten S Storage & Handling – Tanks 1, 2, 3 • Molten S Storage & Handling – Pit 7 • Molten S Storage & Handling – Pit 8 • Molten S Storage & Handling – Pit 9 • Molten S Storage & Handling – Truck Loading		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)
	Station									
055	No. 5 Granulation Plant	Nat. Gas & No. 5 Oil	PM, F & VE		Venturi Scrubbers	EPA Method 5, 9, 13A & 13B	FFY	FFY	60 minutes	**E.6.-E.9.**
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.**

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.