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

Mosaic Fertilizer, LLC — **Permit No. 1050046-035-AV**

Bartow Facility — **Facility ID No.: 1050046**

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

E.U. ID No.	Brief Description
-001	No. 3 Fertilizer (DAP/MAP) Plant
-002	No. 4 Fertilizer Shipping Plant
-004	No. 3 Fertilizer Shipping Plant
-010	Phosphoric Acid Plant (No. 4 -- V-Train, No. 5 -- U-Train)

				Allowable Emissions			Equivalent Emissions*		Regulatory	See Permit
E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Citation(s)	Condition(s)
-001	F (Fluoride)		8,760	0.041 lbs/ton of P_2O_5, 2.5 lb/hr	2.5			10.95	Construction Permit No. 1050046-008-AC	III. A.4.
	PM		8,760	0.088 lbs/ton of product	11.0			48.2	1050046-029-AC	III. A.5.
	VE	gas/oil	N/A	15% opacity	N/A	N/A	N/A	N/A	1050046-008-AC	III. A.6.
	SO_2	Fuel oil	8,760	1.5% Sulfur by weight				39.8	62-213.440(1), F.A.C./EBA	III. A.2.
-002	PM		6,000	0.03 grains/dscf			10.54	31.6	AC53-239194 BACT Determination 01/02/81.	III. B.5.
	VE		N/A	20% opacity (scrubber dust control system)	N/A	N/A	N/A	N/A	62-296.320(4)(b), F.A.C. BACT Determination 01/02/81.	III. B.6.
	VE		N/A	5% opacity (dust suppressant)	N/A	N/A	N/A	N/A	AC53-239194/EBA	III. B.7.
-004	VE		N/A	5% opacity (dust suppressant)	N/A	N/A	N/A	N/A	62-213.440(1), F.A.C./EBA	III. C.3.
-010	F (Fluoride)		8,760	0.012 lb/ton equiv. of P_2O_5		N/A	1.70	7.45	1050046-013-AC/PSD-FL-295 40 CFR 63.602(b)(1)	III. D.2.

Notes: *The "Equivalent Emissions" listed are for informational purposes only.
N/A: Not Applicable EBA: Established by Applicant

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

Mosaic Fertilizer, LLC — **Permit No. 1050046-035-AV**

Bartow Facility — **Facility ID No.: 1050046**

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

E.U. ID No.	**Brief Description**
-012	No. 4 Sulfuric Acid Plant

				Allowable Emissions			Equivalent Emissions*		Regulatory	See Permit
E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Citation(s)	Condition(s)
-012	VE		N/A	10% opacity	N/A	N/A	N/A	N/A	62-204.800(7)(b)10,F.A.C., 40 CFR 60.83(a)(2)	III.E.2.
	SO_2		8,760	4.0 lbs/ton of 100% acid produced	433.3	1898	433.3	1898	62-204.800(7)(b)10,F.A.C., AC53-271436/PSD-FL-229, 40 CFR 60.82(a)	III. E.3.
	H_2SO_4 Acid Mist (SAM)		8,760	0.15 lbs/ton of 100% acid produced	16.25	71.2	16.25	71.2	62-204.800(7)(b)10,F.A.C., AC53-271436/PSD-FL-229, 40 CFR 60.83(a)(1)	III. E.4.
	NO_x		8,760	0.12 lbs/ton of 100% acid produced	13.0	57.0	13.0	57.0	AC53-271436/PSD-FL-229	III. E.5.

Notes: *The "Equivalent Emissions" listed are for informational purposes only.
N/A: Not Applicable EBA: Established By Applicant

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

Mosaic Fertilizer, LLC — **Permit No. 1050046-035-AV**

Bartow Facility — **Facility ID No.: 1050046**

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

E.U. ID No. Brief Description

-032 No. 6 Sulfuric Acid Plant

				Allowable Emissions			Equivalent Emissions*		Regulatory	See Permit
E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Citation(s)	Condition(s)
-032	VE		N/A	10% opacity	N/A	N/A	N/A	N/A	62-204.800(7)(b)10,F.A.C., 40 CFR 60.83(a)(2)	III.E.2.
	SO_2		8,760	4.0 lbs/ton of 100% acid produced	433.3	1898	433.3	1898	62-204.800(7)(b)10,F.A.C., AC53-271436/PSD-FL-229, 40 CFR 60.82(a)	III. E.3.
	H_2SO_4 Acid Mist (SAM)		8,760	0.15 lbs/ton of 100% acid produced	16.25	71.2	16.25	71.2	62-204.800(7)(b)10,F.A.C., AC53-271436/PSD-FL-229, 40 CFR 60.83(a)(1)	III. E.4.
	NO_x		8,760	0.12 lbs/ton of 100% acid produced 4.0 lbs/ton of 100% acid	13.0	57.0	13.0	57.0	AC53-271436/PSD-FL-229	III. E.5.

Notes: *The "Equivalent Emissions" listed are for informational purposes only.
N/A: Not Applicable EBA: Established By Applicant

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

Mosaic Fertilizer, LLC — **Permit No. 1050046-035-AV**

Bartow Facility — **Facility ID No.: 1050046**

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

E.U. ID No. Brief Description

-033 No. 5 Sulfuric Acid Plant

				Allowable Emissions			Equivalent Emissions*		Regulatory	See Permit
E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Citation(s)	Condition(s)
-033	VE		N/A	10% opacity	N/A	N/A	N/A	N/A	62-204.800(7)(b)10,F.A.C., 40 CFR 60.83(a)(2)	III.E.2.
	SO_2		8,760	4.0 lbs/ton of 100% acid produced	433.3	1898	433.3	1898	62-204.800(7)(b)10,F.A.C., AC53-271436/PSD-FL-229, 40 CFR 60.82(a)	III. E.3.
	H_2SO_4 Acid Mist (SAM)		8,760	0.15 lbs/ton of 100% acid produced	16.25	71.2	16.25	71.2	62-204.800(7)(b)10,F.A.C., AC53-271436/PSD-FL-229, 40 CFR 60.83(a)(1)	III. E.4.
	NO_x		8,760	0.12 lbs/ton of 100% acid produced 4.0 lbs/ton of 100% acid	13.0	57.0	13.0	57.0	AC53-271436/PSD-FL-229	III. E.5.

Notes: *The "Equivalent Emissions" listed are for informational purposes only.
N/A: Not Applicable EBA: Established By Applicant

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

Mosaic Fertilizer, LLC — **Permit No. 1050046-035-AV**

Bartow Facility — **Facility ID No.: 1050046**

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

E.U. ID No.	Brief Description
-021	No. 4 Fertilizer (DAP) Plant
-045	Molten Sulfur System -- Stack 45 from Pit A 200 ton molten sulfur pit
-046	Molten Sulfur Storage -- Vent 44 and 44A from 6,000 ton tank
-047	Molten Sulfur Storage -- Vent 43, 43A, 43B, 43C and 43D from 3,000 ton tank
-050	Molten Sulfur Storage -- Stack 47 from Pit B 300 ton molten sulfur pit

				Allowable Emissions			Equivalent Emissions*		Regulatory	See Permit
E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Citation(s)	Condition(s)
-021	F (Fluoride)		8,500	0.06 lbs/ton of P_2O_5	5.50	23.40	5.50	23.40	AC53-246403/PSD-FL-211 40 CFR 60.222 40 CFR 63.622(a)	III. F.4.
	PM		8,500	0.19 lbs/ton of P_2O_5	22.8	96.9	22.8	96.9	AC53-246403/PSD-FL-211 BACT Determination 11/21/94	III. F.5.
	VE	gas/oil	N/A	10% opacity	N/A	N/A	N/A	N/A	AC53-246403/PSD-FL-211	III. F.6.
	SO_2	No. 2 fuel oil	8,500	2.4% Sulfur by weight			102.5	37.8	62-213.440(1), F.A.C AC53-246403/PSD-FL-211	III. F.3.
~~-045, 046 047, 050~~	~~VE~~		~~N/A~~	~~20% opacity~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~62-296.411(1)(g), F.A.C.~~	~~III. G.2.~~

Notes: *The "Equivalent Emissions" listed are for informational purposes only.
N/A: Not Applicable EBA: Established by Applicant

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

Mosaic Fertilizer, LLC — **Permit No. 1050046-035-AV**

Bartow Facility — **Facility ID No.: 1050046**

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

E.U. ID No.	Brief Description
-051	Cleaver Brooks Package Watertube Boiler
-074	New Emergency CI RICE
-077	Existing Non-Emergency CI RICE 100≤ HP ≤500 HP

				Allowable Emissions			Equivalent Emissions*		Regulatory	See Permit
E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Citation(s)	Condition(s)
-051	VE	No. 2 Fuel Oil	N/A	20% opacity except 40% for 2 min/hr	N/A	N/A	N/A	N/A	62-296.406(1), F.A.C.	III. H.3.
	SO_2	Oil	400	1.5% Sulfur by weight			104.3 (based on 400 hrs)	20.9	62-296.406(3), F.A.C. AC53-221062	III. H.2.
074	NOx	No. 2 Oil		6.9 g/HP-hr					62-204.800(8), F.A.C., 40 CFR 60, Subpart IIII	III.J.1.
077	CO	No. 2 Oil		49 ppmvd or less @ 15% O_2 (300 < HP ≤ 500)					62-4.070(3), F.A.C., 40 CFR 63 Subpart ZZZZ	III.K.1.
077	CO	No. 2 Oil		230 ppmvd or less @ 15% O_2 (100 ≤ HP ≤ 300)					62-4.070(3), F.A.C., 40 CFR 63 Subpart ZZZZ	III.K.1.

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

N/A: Not Applicable EBA: Established by Applicant

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

Mosaic Fertilizer, LLC — **Permit No. 1050046-035-AV**

Bartow Facility — **Facility ID No.: 1050046**

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

E.U. ID No.	**Brief Description**
-073	NG Fired 75 mmBtu/hr Boiler at Green Bay

				Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See Permit Condition(s)
E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
-073	VE	Natural Gas	N/A	20% opacity except for one 6-minute period per hour during which opacity shall not exceed 27%	N/A	N/A	N/A	N/A	62-296.406(1), F.A.C.	III. L.4.
	SO_2	Distillate No. 2 Oil	400	0.05% Sulfur by weight			3.05	0.61 (based on 400 hrs)	62-210.200 (PTE), F.A.C. Construction Permit 1050046-030-AC	III. L.3.

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

N/A: Not Applicable EBA: Established by Applicant