Attachment ~~B~~ C, PM RACT EXEMPTION

Mosaic Fertilizer, LLC ~~FINAL~~ **DRAFT** **Permit No.:** 1050059-~~045~~ 069-AV
New Wales Facility

Based on a modeling study approved by the Department, it was determined that emissions from this facility will not have a significant impact on the Hillsborough County Air Quality Maintenance Area and it is therefore exempt from the PM RACT requirements in accordance with Rule 62-296.700(2)(b), F.A.C. The following emission units have permitted particulate matter emission limits and are subject to modeling in order to demonstrate to the department that this facility will not have a significant impact on the Air Quality Maintenance Area.

Subsection	**E.U. I.D. No.**	**Description**	**Particulate Matter (PM) Limit**	
			lbs/hr	**Tons per year**
B	005	Ground Phosphate Rock Railcar Unloading	6.4	28.0
B	006	Ground Phosphate Rock Silo	1.3	5.7
B	021	Ground Phosphate Rock Bin	4.8	21.02
F	009	DAP Plant No. 1	28.6	
G	045	DAP Plant No. 2 -- East Train	14.1[1]	56.0[1]
G	046	DAP Plant No. 2 -- West Train	14.1[1]	56.0[1]
G	047	DAP Plant No. 2 West Product Cooler	4.5[1]	17.8[1]
F	054	DAP Plant No. 1 Cooler	7.7	33.7
G	056	DAP Plant No. 2 East Product Cooler	6.2[1]	24.5[1]
H	010	GTSP Plant	33.75	
I	011	MAP Prill Plant	15[1]	
J	012	GTSP Storage	28.7	125.7
K	013	Auxiliary Boiler	31.6	
L	015	Animal Feed Ingredient Shipping/Truck Loadout	3.6	
L	023	Animal Feed Ingredient Storage Silos (3) -- ”A Side”	4.75	
L	024	Animal Feed Ingredient Storage/Shipping/Railcar Loadout	3.6	
L	025	Animal Feed Ingredient--(2) Limestone Storage Silos	3.6	
L	026	Animal Feed Ingredient--Silica Storage Bin	1.6	
L	028	Animal Feed Ingredient Storage Silos (3)-- ”B Side”	4.75	
L	052	Animal Feed Ingredient--Limestone Feed Bin	3.6	
M	027	Animal Feed Ingredient Granulation Plant	36.8	161.2

Subsection	E.U. I.D. No.	Description	Particulate Matter (PM) Limit	
			lbs/hr	Tons per year
N	029	Fertilizer Rail/Truck Loadout No. 1	4.7	20.5
P	030	Multifos Soda Ash Rail Hopper Car Unloading System	3.6	15.7
P	031	Multifos Soda Ash Conveying System	3.6	15.7
P	032	Multifos "A" Kiln Cooler	7.7	33.7
P	033	Multifos "B" Kiln Cooler	7.7	33.7
P	034	Multifos A and B Kilns Milling and Sizing System--West Baghouse	3.6	15.8
P	035	Multifos A and B Kilns Milling and Sizing System--East Baghouse	3.6	15.8
P	038	Multifos A and B Kilns Milling and Sizing System--Surge Bin	3. 6	15.8
P	036	Multifos A and B Kilns, Dryer and Blending Operation	29.83	
P	074	Multifos C Kiln	14.3[1]	
Q	037	Fertilizer Truck Loadout No. 2	3.6	
Q	041	Fertilizer Truck Loadout No. 3	5.0	
Q	043	Fertilizer Rail Loadout No. 2	3.6	
Q	059	Fertilizer Rail Loadout No. 3	5.0	
R	048	Uranium Recovery System -- Acid Clean Up	1.0[1]	
T	050	Uranium Refinery Operations	1.5	6.6
U	051	Uranium Recovery System -- Clay Storage	1.5	6.57
V	055	MAP Plant Cooler	4.0[1]	
W	062-069	Molten Sulfur System	1.2[2]	
X	070	Limestone Storage Silo/Rock Grinding	0.7	3.0
		Total	368.38	

[1]Emission limit based on BACT determination.
[2]Emission estimate for emission inventory and PSD purposes.