**Appendix Flow Diagrams for CAM**

Mosaic Fertilizer Facility

DRAFT Permit No. 1050059-069-AV

New Wales Facility

## Flow Diagram

## Control Equipment Discription

The emissions from the dryer, the blending operation and Kilns A and B are controlled by three separate packed bed scrubbers vented to a common stack.

Emission Unit: **Multifos A and B Kilns, Dryer and Blending Operation**

ID No.: **036**

Facility: **IMC Phosphates New Wales Plant**

ID No.: **1050059**

**Flow Diagram**

**Control Equipment Discription**

The emissions are controlled by a venturi scrubber with a recirculating water system. The make-up water can be either fresh or process water.

Emission Unit: **DAP Plant No 2 East Product Cooler** ID No.: **056**

Facility: **IMC Phosphates New Wales Plant** ID No.: **1050059**

## Flow Diagram

## Control Equipment Discription

The Kiln C emissions are controlled by two packed scrubbers in series vented to an individual stack.

Emission Unit: **Multifos C Kiln**

ID No.: **074**

Facility: **IMC Phosphates New Wales Plant**

ID No.: **1050059**

## Flow Diagram

## Control Equipment Discription

The plant emissions are controlled by two systems. The main system is a venturi scrubber with dual cyclonic demisters followed by impact sprays and then by a tailgas scrubber with Kimre pads. The other system controls the emissions from equipment vents. It consists of venturi scrubber followed with impact sprays

Emission Unit: **GMAP Plant**

ID No.: **078**

Facility: **IMC Phosphates New Wales Plant**

ID No.: **1050059**