FINAL DETERMINATION

PERMITTEE

Mosaic Fertilizer, LLC
13830 Circa Crossing Drive
Lithia, Florida 33547

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Office of Permitting and Compliance
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Final Permit No. 1050059-083-AV
New Wales Facility

The purpose of this project is to revise the Title V air operation permit for the above referenced facility.

The Title V air operation permit was processed using a parallel review.

PUBLIC NOTICE

A Written Notice of Intent to Issue Air Permit to Mosaic Fertilizer, LLC for the New Wales Facility located in Polk County at 3095 Highway 640 in Mulberry, Florida, was clerked on October 7, 2013. The Public Notice of Intent to Issue Air Permit was published in The Ledger on October 17, 2013. The draft/proposed Title V air operation permit was available for public inspection at the permitting authority's office in Tallahassee. Proof of publication of the Public Notice of Intent to Issue Air Permit was received on October 23, 2013.

COMMENTS

On October 17, 2013, the Department informed U.S. EPA Region 4 that the Title V air operation permit was being processed using a parallel review.

No comments on the permit were received from the public, U.S. EPA or from the applicant during the 30-day public comment period. The Day 45 (end of U.S. EPA's review period) will be December 1, 2013; U.S. EPA has not targeted this project for review.

Department Corrections

The Department made several corrections/clarifications in the final permit. All changes are emphasized with yellow highlight in this document only. Additions to the permit are indicated below by double underline. Deletions from the permit are indicated below by ~~strike through~~.

1. Page 6 of 64 of the Permit - Common Condition **CC.4.** Common Condition **CC.4.** is corrected to read as follows:

> "**CC.4.** Excess emissions resulting from startup, shutdown or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.
> [Rule 62-210.700(1), F.A.C.]"

2. Page 9 of 64 of the Permit - Subsection III.A. The emissions unit description for the sulfuric acid plants is corrected to read as follows:

> "…
>
> No. 1, No. 2 and No. 3 plants produce 3,400 tons per day each and No. 4 and No. 5 plants produce 2,900 tons per day each of sulfuric acid (100% H_2SO_4 basis). SAP Nos. 1 & 2 have Brownian diffusion-type candles in the

final absorption towers for SAM control, similar to the one employed on SAP No. 3. Acid mist emissions are controlled by a demister.

~~The current catalyst loadings in SAP Nos. 1, 2 and 3 are as follows:~~
~~No. 1 SAP: 533,704 liters;~~
~~No. 2 SAP: 543,600 liters; and,~~
~~No. 3 SAP: 554,804 liters.~~

{Permitting Notes: The SAPs are currently regulated under NSPS 40 CFR 60, Subpart H, Standards of Performance for Sulfuric Acid Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)10., F.A.C.; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); Rule 62-296.402, F.A.C., Sulfuric Acid Plants; and, Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.}

…"

CONCLUSION

The final action of the Department is to issue the permit with the administrative corrections and/or clarifications as noted above.