FINAL DETERMINATION

PERMITTEE

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

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Air Resource Management
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637-7600

PROJECT

Title V Air Operation Permit Renewal No. 1050046-033-AV
Site Name: Mosaic Bartow Facility

The purpose of the Title V air operation permit (1050046-033-AV) is to revise the Title V air operation permit (1050046-027-AV) and incorporate the terms of air construction permits 1050046-029-AC and 1050046-032-AC. The construction permit 1050046-029-AC revised the maximum allowable particulate matter (PM) emissions rate from 0.18 pounds per ton of phosphorous pentoxide (P_2O_5) feed to 0.088 pounds per ton of ammoniated phosphate product. The construction permit No. 1050046-032-AC authorized an administrative correction to permit No. 1050046-029-AC to correct a content error in the Facility Description of No. 3 Fertilizer (DAP/MAP) Plant (E.U. No. 001). Details of the project are provided in the application and the enclosed Statement of Basis.

NOTICE AND PUBLICATION

The Department distributed an Intent to Issue Title V Air Operation Permit package on 11/10/2011. The applicant published the Public Notice of Intent to Issue Air Permit in THE LEDGER on 11/22/2011. The Department received the proof of publication on 11/28/2011. A proposed permit was issued for EPA review on 11/22/2011.

COMMENTS

No comments were received from the public, or the EPA Region 4 Office.

CONCLUSION

In conclusion, the following changes have been made to the draft/proposed permit. The changes that have been made are not significant enough to reissue the draft/proposed Title V air operation permit and require another public notice. The permitting authority hereby issues the FINAL Permit, with the changes noted below.

From:

A.12. Compliance with the emission limitations of Conditions A.4., A.5. and A.6. shall be determined using EPA Methods 1, 2, 3, 4, 5, 9, and 13A or 13B contained in 40 CFR 60, Appendix A and adopted by reference in Chapter 62-297, F.A.C. Additional emissions monitoring during production with micronutrients shall be determined using EPA Methods 1, 2, 3, 4, 5 and 9. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Chapter 62-297, F.A.C. and 40 CFR 60, Appendix A. [Chapter 62-297, F.A.C.; 40 CFR 63.626(b) and 63.630(a); Air Construction Permit 1050046-029-AC]

To:

A.12. Compliance with the emission limitations of Conditions A.4., A.5. and A.6. shall be determined using EPA Methods 1, 2, 3, 4, 5, 9, and 13A or 13B contained in 40 CFR 60, Appendix A and adopted by reference in Chapter 62-297, F.A.C. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Chapter 62-297, F.A.C. and 40 CFR 60, Appendix A.
[Chapter 62-297, F.A.C.; 40 CFR 63.626(b) and 63.630(a)]

The additional emission monitoring during production with micronutrients was carried out by the facility successfully. The PM emission rate was 0.019 lb/ton of product that was much lower than the allowable PM emission rate of 0.088 lb/ton of product.