



Mosaic Fertilizer, LLC
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Santino A. Provenzano
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North America Operations
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October 27, 2023

Via Email

Joan Redleaf Durbin, Kayla Acosta, and
Robert Nakamoto
US EPA
10th Floor RCRA Front Office
61 Forsyth St, SW
Atlanta, GA 30303

Marc Harris, Administrator
Industrial Wastewater Program
Department of Environmental
Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Van Housman
Office of Civil Enforcement
Mail Code 2249A
U.S. EPA
Clinton Building South
1200 Pennsylvania Ave., NW
Washington, DC 20460

Pamala Vazquez, Assistant Director
Southwest District
Department of Environmental
Protection
13501 N. Telecom Parkway Ste 101
Temple Terrace, FL 33637

**RE: Mosaic Fertilizer, LLC – New Wales Facility
Follow-up to October 21, 2023 Notification under Chapter 62-672.770(6),
FAC and Appendix 1 of Consent Decree in the matter of *United States et
al. v. CF Industries, Case No. 8:10-cv-01756-SCB- EAJ, as modified***

Ladies and Gentlemen,

This serves as a preliminary follow-up to the potential critical condition that Mosaic Fertilizer, LLC (Mosaic) reported on October 21, 2023.

Since Mosaic's initial report, Mosaic, has continued to monitor the area for seismic acoustic emissions (SAE's) and has established real-time data collection from 4 existing vibrating wire piezometers (VWP's), 3 inclined and 1 vertical, designated locations 4-1, 4-2, 4-3, and 4-4 respectively (see Figure 1, attached). Daily results of the acoustic emissions and VWP monitoring are being submitted to the Department of Environmental Protection (FDEP) daily under separate cover. Since our initial report on October 21, there have been no additional SAE's detected in the vicinity of AOI-4. Further, as reported in our October 21 notice, the potentially affected area lies within the zone of capture of existing Recovery Well P4B, which continues to be operated as intended.

In addition to establishing real time data collection on the four existing VWP locations, Mosaic's third-party engineer has recommended that Mosaic install two new work pads, one east and one west of the energy weighted centroid of the SAE's. The work pad installations are underway and are expected to be completed within two weeks. Upon completion, drilling equipment will be mobilized to the east drill pad to advance the first

three of six new inclined exploratory borings and install additional VWP's, to be designated locations 4-5, 4-6, and 4-7. Upon completion, the drilling equipment will be relocated to the west work pad, where VWP locations 4-8, 4-9, and 4-10 will be installed. Mosaic anticipates the work on the first of the three east pad installations will begin within three weeks. The work pad and new boring locations are also depicted in Figure 1.

In the interim, as mentioned above, Mosaic has been and will continue to provide Daily update reports to FDEP and operate the recovery well system. If you have any questions or require any additional information, please contact me at (813) 781-1185 or by email at santino.provenzano@mosaicco.com.

Sincerely,



Santino A. Provenzano
Sr. Director – Environmental
North America Operations

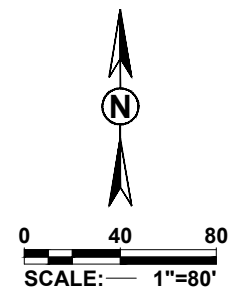
cc:

M. Miller – FDEP
L. Pedigo – FDEP
W. McNelley – FDEP
J. Coates – FDEP
L. Kautz - FDEP
P. Kane – Mosaic
P. van der Voorn – Mosaic
S. Provenzano – Mosaic
S. Wuitschick – Mosaic
R. Werner – Mosaic
C. Suarez – Mosaic
M. Ward – Mosaic

Attachments:

Figure 1 – “AOI-4 Existing and Proposed Instrumentation Location Map”

PHASE II WEST NORTH AREA



AERIAL MAP PROVIDED BY:
PICKETT AND ASSOCIATES, INC.
FLIGHT DATE: JANUARY 26, 2023

TOPOGRAPHIC SURVEY PERFORMED
BY PICKETT & ASSOCIATES, INC.
DATE OF SURVEY: MARCH 09, 2023

LEGEND

- + SIGNATURE ACOUSTIC EMISSIONS (SAE) DETECTED AT AOI4
- ▲ ENERGY-WEIGHTED CENTROID OF SAEs
- EXISTING VW PIEZOMETER IN INCLINED OR VERTICAL BOREHOLE IN GYPSUM
- PROPOSED VW PIEZOMETER IN INCLINED OR VERTICAL BOREHOLE IN GYPSUM
- EXISTING STABILITY MONITORING INSTRUMENT

PRELIMINARY EXCLUSION ZONE
ASSUMING GYPSUM EL. = 400' AND
PWE IN 4-1 TO 4-4

ASSUMED AOI4 CENTER
N. 1265782.62
E. 644588.38

CENTERLINE OF
DIVIDER DIKE

N: 1265826.1
E: 644242.1
EL. 403.0'

N: 1265807.3
E: 644317.7
EL. 403.0'

N: 1265770.6
E: 644859.1
EL. 401.0'

N: 1265771.7
E: 644938.6
EL. 401.0'

N: 1265713.3
E: 644243.2
EL. 403.0'

N: 1265712.6
E: 644332.4
EL. 403.0'

N: 1265680.7
E: 644822.0
EL. 401.0'

N: 1265680.1
E: 644926.1
EL. 401.0'

PROPOSED WORK
PAD LAYOUT

PROPOSED WORK
PAD LAYOUT

CURRENT WORK PAD

(1) 24-INCH DR-17
DISCHARGE PIPE

4-3
4-1
4-SMI-1
4-2
4-4

PRELIMINARY