



Mosaic Fertilizer, LLC
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Santino A. Provenzano
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North America Operations
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December 14, 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
Supplement to October 21, 2023 Initial 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 and 7-Day Follow Up Report submitted on October 27, 2023**

Ladies and Gentlemen,

This correspondence supplements the above referenced initial and follow up notices previously submitted by Mosaic Fertilizer, LLC (Mosaic) regarding a potential critical condition.

Since Mosaic's initial report, Mosaic, has continued to monitor the area for seismic acoustic emissions (SAEs) and has established real-time data collection from seven (7) existing vibrating wire piezometers (VWPs), 6 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 continue to be submitted to the Department of Environmental Protection (FDEP) daily. Since our initial and follow up reports, there have been no additional significant SAEs detected in the vicinity of AOI-4. Further, as reported in our prior notices, the potentially affected area lies within the zone of capture of existing Recovery Well P4B, which continues to operate as intended.

Since Mosaic's 7-day Follow Report on October 27th, Mosaic has completed installation of two new work pads, one east and one west of the energy weighted centroid of the SAEs and initiated inclined exploratory borings and installation of additional VWP's, starting on the west side.

On December 13, 2023, while advancing the boring at location AOI4-9 (see Figure 1), the drilling crew encountered a drilling fluid circulation loss, confirming a liner tear in this area. At this time, Mosaic is advancing additional exploratory borings in this area to facilitate further evaluation.

Mosaic 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,



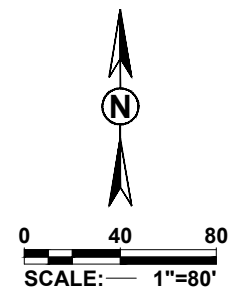
Santino A. Provenzano
Sr. Director – Environmental
North America Operations

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

4-10
4-9
4-8

4-7
4-6
4-5

PRELIMINARY