

July 7, 2026

AUSTIN SHOEMAKER, ENVIRONMENTAL ENGINEER
JOHN DEERE DUBUQUE WORKS
18600 S JOHN DEERE ROAD
DUBUQUE, IA 52004-0538

RE: Temporary and Limited Request – John Deere Dubuque Works– NPDES Permit #3126107

Dear Austin,

The Iowa Department of Natural Resources has completed a review of the temporary and limited degradation request (dated June 30, 2026) for a temporary use of Magnesium Hydroxide Solution to maintain proper pH levels in the aeration basin for proper biological treatment at Outfall 003. As the product will be discharged at concentrations well below toxic levels, the discharge of the products should be safe to aquatic life. The temporary discharge of the listed chemicals from Outfall 003 to the Little Maquoketa River as described in the temporary and limited degradation request is approved.

Magnesium Hydroxide Solution

We have determined that the discharge of Magnesium Hydroxide Solution will be short in duration (up to 90 days) and should not result in long-term effects. We have approved your answers to the six required elements in Section 2.4 of the Iowa Antidegradation Implementation Procedure. Therefore, we are granting temporary and limited degradation status to the discharge of Magnesium Hydroxide Solution from Outfall 003. The discharge of Magnesium Hydroxide Solution is approved for a period of 90 days from the date the discharge commences. Should you wish to maintain this discharge beyond the 90-day period, please submit an Antidegradation Alternatives Analysis. Please retain this letter as record of this temporary and limited degradation approval.

Sincerely,

Eric Sundall Gaspar
NPDES Section

C: DNR Field Office 1