

August 28, 2025

MR CHASE HUNTER
LANDUS COOPERATIVE
220 SW 9TH STREET, SUITE 300
DES MOINES IOWA 50309
CHASE.HUNTER@LANDUS.AG

**Re: Farmers Cooperative (3790 500th Street, Rake, Iowa 50424)
Contaminated Sites Database Site ID No. 1258
2024-2025 Annual Site Monitoring Report**

Dear Mr. Hunter:

The Iowa Department of Natural Resources, Solid Waste and Contaminated Sites Section (DNR) has reviewed the June 30, 2025 Annual Site Monitoring Report ([Doc #42836](#)) for the site located in Rake, Iowa. Monitoring wells MW1, MW2, MW3R, MW4, MW5, MW6, MW7, MW8, MW9, MW13, and MW14 were sampled on November 18, 2024 and the same wells were sampled again on May 19, 2025 with the exception of MW1, which was damaged and couldn't be sampled, during this reporting period. All groundwater samples were analyzed for Ammonia – Nitrogen via EPA Method 350.1 and Nitrate – Nitrite via EPA Method 353.2.

The Nitrate – Nitrite drinking water maximum contaminant level (MCL) of 10 mg/L was exceeded at MW1 (Fall 2024), MW2 (Fall 2024 and Spring 2025), MW4 (Spring 2025), MW5 (Fall 2024 and Spring 2025), and MW8 (Fall 2024 and Spring 2025) in this reporting period. Additionally, the Ammonia drinking water lifetime health advisory limit (HAL) of 30 mg/L was exceeded at MW6 during both sampling events in the reporting period. Continued semi-annual sampling and annual reporting of all monitoring wells has been recommended, and DNR concurs with this recommendation. DNR also concurs with the recommendation to replace MW1, which was found to be damaged and couldn't be sampled during the May 2025 sampling event, prior to the Fall 2025 sampling event. Please continue to provide an updated well survey each year to ensure no additional receptors have been introduced into the area.

The next annual monitoring report is due **July 15, 2026**. Please continue to monitor all available monitoring wells for Ammonia – Nitrogen and Nitrate – Nitrite on a semi-annual basis. If you have any questions or would like to discuss further, please contact me at [\(515\) 415-0889](tel:515-415-0889) or jake.bucklin@dnr.iowa.gov.

Sincerely,

Jake Bucklin
Environmental Specialist
Land Quality Bureau

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