

July 15, 2025

JON WELLS
NEW COOPERATIVE INC
2626 1ST AVE S
FORT DODGE IA 50501

**Re: NEW Cooperative (203 200th Street, Red Oak, IA)
Contaminated Sites Database Site ID No. 2818
Site Assessment Report Review**

Dear Mr. Wells:

The Iowa Department of Natural Resources (DNR) has reviewed the Site Assessment Report dated June 27, 2025. Thank you for the submission. The report summarizes soil and groundwater sampling completed in May 2025 due to the March 2024 release of Urea Ammonium Nitrate (UAN) at the facility. The sampling is in accordance with the Site Assessment Work Plan which was approved by the DNR on January 7, 2025.

Based on the report findings, soil concentrations for Ammonia as N and Nitrate/Nitrite were all below Iowa Statewide Standards (SWS). However, concentrations of Ammonia as N and Nitrate/Nitrite found in deeper soil samples, such as those between 8'-14' bgs at MW-5, indicate vertical contaminant transport prior to emergency cleanup actions with the potential for soil leaching. Overall, initial cleanup actions appear to have removed much of the impacted soil.

Groundwater Ammonia as N concentrations were found to exceed both the Iowa SWS for a Protected Groundwater Source (PGWS) and non-PGWS (NPGWS) at monitoring well MW-5. Additionally, Nitrate/Nitrite concentrations were found to exceed the US Environmental Protection Agency Maximum Contaminant Level (MCL) and PGWS/NPGWS standards at multiple wells. The plume is generally delineated in the upgradient (east) and downgradient (west) directions.

Current groundwater concentrations at the site suggest remedial actions should be completed to lower Ammonia as N and Nitrate/Nitrite concentrations. Additionally, a monitoring well should be installed north (cross-gradient) of monitoring well MW-5 for proper contaminant plume delineation. The DNR agrees with the report recommendation to set up a meeting to discuss the next steps to be completed.

Please contact me with any questions at [\(515\) 721-7024](tel:5157217024) or by email at andrew.carver@dnr.iowa.gov.

Sincerely,

Andrew Carver, CGP
Environmental Specialist
Land Quality Bureau

cc: Iowa DNR Field Office #4,
Atlantic, IA

Michael Sullivan
Iowa DNR
6200 Park Ave, Ste 200
Des Moines, IA 50321

Derek Wilken
Terracon
15080 A Circle
Omaha, NE 68144