

April 24, 2025

DAN MAI  
JOHN DEERE DUBUQUE WORKS  
18600 SOUTH JOHN DEERE ROAD  
DUBUQUE IA 52001

**RE: John Deere Dubuque Works Landfill**  
**Permit No. 31-SDP-01-75C**  
**2024 Annual Water Quality Report ([Document No. 112148](#))**

Dear Mr. Mai:

The Iowa Department of Natural Resources (DNR) has reviewed the 2024 Annual Water Quality Report (AWQR), dated January 2025, as submitted by TRC Environmental Corporation (TRC). Our comments on the AWQR are below.

### 1. Report Priority Items

No priority items were requested in the report.

### 2. Groundwater Monitoring

- a. Statistically Significant Increases (SSI) were observed in MW-3 for chloride, nitrate, total magnesium, and specific conductivity and for nitrate in MW-2. While SSIs were observed only nitrate has applicable health-based groundwater protection standard (GWPS). Observed nitrate levels do not exceed GWPS. Wells MW-2 and MW-3 are considered to be in assessment monitoring.
- b. DNR acknowledges that there were two (2) exceedances of background levels without immediately preceding SSIs during the reporting period: chloride in MW-2 in April 2024, and specific conductance in MW-2 in October 2024. The chloride background exceedance in MW-2 in April 2024 was not confirmed as an SSI by the October 2024 sampling.
- c. No SSIs were above GWPS.
- d. DNR agrees with the report as written.

### 3. Leachate Control System

The leachate control system preformed as expected.

Feel free to contact me with any questions at (515) 415-1331 or by email at [brad.davison@dnr.iowa.gov](mailto:brad.davison@dnr.iowa.gov).

Sincerely,

Brad Davison  
Environmental Specialist  
Land Quality Bureau

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DNR Field Office #1 – Manchester