



## Capital Improvement Project

### Liquid Anti-Icing Equipment Purchase (Rosemount)



Figure 1. A pile of de-icing salt. Too much de-icing salt use leads to chloride contamination in public waterways and groundwater.

Minnesota's watersheds have been sounding the alarm on overuse of de-icing salt as of late. Salts like these can permanently pollute water resources, as they accumulate over time and don't break down. The responsibility falls on individuals and governments alike to reduce salt.

The City of Rosemount was looking to reduce their municipal use of salt, and the Vermillion River Watershed Management Plan and Dakota County Groundwater Plan both include strategies to prevent groundwater contamination from chloride. With the help of a Watershed-Based Implementation Funding (WBIF) grant, part of the Clean Water Fund, the City purchased a liquid de-icing spray system that distributes salt more efficiently. It will lead to less salt runoff into public waters, while still addressing public safety issues related to ice.

**Partners:**

- Vermillion River Watershed Joint Powers Organization
- City of Rosemount
- Minnesota Board of Water & Soil Resources

**Installation:**

- 2022

**Location:**

- Rosemount

**Watershed:**

- Vermillion River

**Costs and Contributions:**

- WBIF: \$15,000
- City of Rosemount: \$1,650

**Benefits:**

- The liquid de-icing spray equipment distributes chloride more efficiently than standard road salt. This will decrease the potential for chloride pollution of water resources.



Figure 2. Back side of a City of Rosemount truck with new de-icing equipment installed.



Figure 3. Side of the truck.

A grant from the Clean Water Fund, one of four funds established by the Clean Water, Land & Legacy Amendment, supported this project. [Clean Water Stories](#) can be found on the Minnesota Board of Water and Soil Resources website.

