



**Road salt run-off into waterways reduced through new equipment use**  
Ohio EPA grant supports efficiency and sustainability

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*Contact: Brian Dahm, Manager, Division of Street Maintenance,  
brian.dahm@daytonohio.gov*

The City of Dayton is reducing road salt run-off into area waterways by increasing the use of salt brine to prevent and treat snow and ice accumulation on roads and streets.

The increased use of salt brine (a mixture of road salt and water) during the 2025-6 winter season is made possible by new equipment funded by an Ohio EPA H2Ohio Chloride Reduction grant.

Road salt (sodium chloride) breaks into separate sodium and chloride ions when dissolved and is known to damage the environment in streams, rivers and lakes. Elevated chloride levels are toxic to fish, amphibians, and other aquatic life.

Through the Ohio EPA grant, the City of Dayton Department of Public Works purchased and installed a brine maker capable of producing 6,000 gallons per hour and a 9,500-gallon polyethylene storage tank.

Prior to acquiring the new equipment, Dayton utilized Montgomery County's salt brine production facility and transported the brine solution in trucks to the City's street treatment facilities.

All of Dayton's highways, roads and streets drain into natural waterways, making salt run-off reduction by the City of Dayton particularly impactful.

Reducing salt run-off may also be beneficial to lawns and landscapes.

"We are excited about reducing the environmental impact of our winter road treatment operations and grateful for the resources provided by the Ohio EPA H2Ohio grant," said Tom Ritchie, Jr., Dayton's Department of Public Works director.

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