

Lower Allen Township's

Guide to MS4

Municipal Separate Storm Sewer System

February 2023 Edition



Cost Effective Alternative

Using Brine to pretreat the roads before winter weather occurs can be a cost saving alternative to road salt. Salt brine can save as much as 30% compared to the use of road salt. While Brine is not an option for every winter precipitation event, the ability to use it when it is an option can save the Township money and give added protection to travelers.

Environmentally Friendly

Salt brine is an environmentally friendlier alternative to traditional road salt. The reason being the lower content of salt that can be washed into the local waterways. For instance, one truckload of brine will cover the same area as four full truckloads of salt. The application of the brine with a lower salt content reduces contamination of plants and animals in the area and downstream.

Controllable

The application of salt brine allows for more control of the placement on the surfaces. We have all seen the piles of salt left behind and experienced the slide when a spot is missed during salt spreading. With salt brine, the chance of a missed spot is very slim. The application is consistent, the salt brine sticks to the area it is applied, and it works immediately.

To Brine Or Not To Brine?

Using salt brine on roads can significantly improve road conditions when winter weather is forecasted.

Lower Allen Township consists of more than 62 miles of state and local roadways, all of which get treated with a salt brine mixture whenever possible. When the weather forecast calls for wintery conditions, Public Works employees work 24-48 hours in advance of a storm to treat all the Township roadways. Currently, the Township uses about 2000 gallons of salt brine to treat all state and local roads. Treating the roads in the Township and ensuring that residents and travelers are safe is a full days job for the Public Works staff. Next time you see a Public Works employee out, thank them for assisting in keeping the roads safe to travel.