



MILTON TOWNSHIP HIGHWAY DEPARTMENT

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MILTON TOWNSHIP HIGHWAY DEPARTMENT WINTER STORM PLAN

Anti-Icing:

Milton Township Highway Department will use a blend of Geo-Melt liquid for the 2008-2009 Snow Season. This Super mix blend (Salt/Geo-Melt (beet juice)/ Calcium Chloride) will be applied to curves, hills and intersections as weather allows. This brown liquid which easily washes off of vehicles proactively lengthens valuable reaction times in the early stage of winter storm events by not allowing ice and snow to bond before the crews can reach their designated snow routes. Secondly, the residual effect can prevent frost from forming over several days, while reducing chloride usage and providing safe roads in the Township.

Sand/Salt Applications:

Due to the salt shortage and high costs of the salt this year, the Milton Township Highway Department will again blend salt with sand as it did last year and apply it conservatively on the routes. As we know straight salt works best above 20 degrees Fahrenheit. This encompasses most early and late season storm event temperatures. At our application rate of 200-250 pounds per lane mile, this product performer will be used as weather dictates. For the 2008 season, the Township will use the Geo-Melt blend with our salt/sand mixture.

Treated Salt/Sand:

Milton Township Highway Department will start the 2008-2009 Snow Season with about 700 tons of treated materials to be applied as temperatures dictate.

1. This product reduces chloride corrosiveness about 40% as well as lowering the eutectic temperatures of salt by 20 working degrees. This allows for quicker storm cleanup.
2. Another benefit is this is attained at an approximate 30% reduction in application rate. This is due to the properties of Geo-Melt.

Future Changes:

1. As education in the use of liquids and/or chemicals evolves, Milton Township Highway Department will do the same and evolve to meet the needs of not only the citizens of Milton Township but continue to be more and more proactive in its reduction of chloride.

2. These processes will enable Milton Township Highway Department to be more environmentally sensitive.
3. All of this will enable Milton Township Highway Department to be more efficient in its winter snow and ice removal. **Making the roads safer for the public.**

Gary Muehlfelt
Highway Commissioner