

GETTING THE FACTS ABOUT SALT BRINE!

WHAT IS SALT BRINE?

Salt brine is water saturated with sodium chloride, or more simply, rock salt dissolved in water. It will be the Borough of Red Bank's anti-icing program beginning in 2013 to take a proactive approach to controlling snow and ice on Borough of Red Bank's roadways. Applying brine to the roadway is similar to spraying a frying pan with oil to keep food from sticking to the bottom of the pan.

WHEN IS SALT BRINE USED?

Salt brine is applied by spraying it onto the pavement up to 48 hours in advance of a winter storm. PRE-TREATING Pre-treating is a snow fighting strategy used in anticipation of road/bridge frost or warmer winter storms (normally above 15°F). If applied just before a winter storm, salt brine will begin working as soon as the first snowflake falls and will help delay the accumulation of snow and ice on the pavement.

WHY USE SALT BRINE?

Salt brine is much more cost effective and brine also allows the Public Works Department to apply during normal working hours. In addition this allows the Borough to have our entire routes pre-treated before the driving conditions deteriorate. This will help the snow/ice from bonding to the pavement surface. As a result, the roads return to bare pavement much quicker once the storm has ended.

HOW IS SALT BRINE APPLIED TO THE ROAD WHEN PRE-TREATING?

Motorists can expect to see Borough of Red Bank's crews pre-treating the roads with salt brine using our specially modified trucks, with units that slide into the back of a truck.

WHAT ARE OTHER ADVANTAGES OF USING SALT BRINE?

1. Anti-icing returns road surfaces to normal faster, resulting in fewer accidents and delays.
2. Using a liquid ice-melter jumpstarts the melting process because salt needs moisture to be effective.
3. Brine doesn't bounce or blow off the road surface so material is used more efficiently.
4. If the storm is delayed salt residue remains on the road ready to begin work when precipitation begins.
5. Crews can cover more territory by beginning treatment in advance of a storm.
6. Increased efficiency results in use of less salt, minimizing environmental concerns.