



# Maintenance Research Bulletin

**NTREC New Technology Research Equipment Committee**  
**MOR Maintenance Operations Research**

**February 2010**

## Upcoming Events

**ATSSA**  
**"How To" Training and Education**  
**Workshop**  
**Ramada Plaza Suites**  
**Fargo, North Dakota**  
**March 16-17, 2010**

**Spring Maintenance and Training**  
**Expo**  
**St. Cloud Civic Center**  
**April 20-21, 2010**

**CTS Transportation Research**  
**Conference**  
**River Centre, St. Paul**  
**April 27-28, 2010**

**NTREC**  
**Arden Hill Training Center**  
**May 5, 2010**  
**Contact Farideh Amiri**  
**651/366-3545 for information**



**February 15, 2010**

*Comments? Questions?*  
*Maintenance Research Engineer*  
**651/366-3545**



## The Blending Station

The Blending Station is a trailer mounted, self contained mobile unit that combines both liquid and granular de-icing materials to a uniform coat and consistency. It is powered by a generator that is mounted on the trailer and supplies power to the unit's conveyor, liquid pump, hydraulics and liquid colorant pump. In the recent testing, the unit was able to treat more than 140 tons of granular material with 6-8 gallons of liquid de-icing chemical per ton in approximately 1 hour at approximately 1/3 capacity in order to keep the blend consistent. The Blending Station infuses a liquid colorant to help distinguish between treated and non-treated material. The unit is 100% tested and ready for Statewide utilization. The Blending Station can be moved throughout the state by a class 35 truck. With its own power source and onboard liquid tank, it can be used to create limited quantities of treated material. It can also be connected to a larger tanker and be used for days in one location to create larger stockpiles of treated material for entire sub areas or districts. The Blending Station will be a very valuable tool for Mn/DOT during Snow and Ice operations.

**For scheduling contact:**  
**Cliff Gergen, 952/435-6480**  
**Lakeville Truck Station Supervisor**