



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



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Comments? Questions?
Maintenance Research Engineer
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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:
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