



Maintenance Research

Bulletin: September 2011

NTREC--New Technology Research Equipment Committee

MOR-- Maintenance Operations Research



Liquid Chemical Blending and Dispensing System

The system consists of a series of pumps that are equipped with flow meters that allow for accurate blending and dispensing of up to five different winter chemicals into either the tank on a plow truck or into larger tankers for distribution to other sites. A computer monitors and controls the mixture rate at which the pumps are flowing thereby giving the operator a very accurate mixture. The control panel can be viewed and operated from an external location allowing for supervisors to monitor what is being used by each individual operator. Operators will be allowed to select blends based on road conditions and supervisor recommendations. During the evaluation period, District 7 will move from storing pre-blended liquid chemicals toward having a variety of chemicals available for real time blending dependent on weather conditions. They will also evaluate its ability to generate reports from the system that lists who, what, and how much material was taken from each site. This will be especially useful when more than one agency uses material from this system.

For more information contact:

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Transportation Operations Supervisor 4, D7

Upcoming Events

Fall Maintenance Expo
St. Cloud Public Works
October 5-6, 2011

Toward Zero Deaths Conference
Duluth Convention Center
November 16-17, 2011

MDSS

Implementation Coordinators

John Bjorkquist: D1, 2
218/821-1501

Jakin Koll: D3, 4, 8
320/241-3531

Joe Huneke: D6, 7, Metro
651/900-5300

Mobile Equipment Coordinators

Mark Loxtercamp: D1, 2, 3, 4, 8
320/372-0171

Mark Grotjohn: D6, 7, Metro
507/316-8581

Veterans Day



November 11, 2011

Maintenance Research Website
<http://www.dot.state.mn.us/maint/research.html>

Comments? Questions?
Maintenance Research Project
Manager
651/366-3585

Your Destination...Our Priority

