

LTAP Winter Operations Conference 2014



Liquid Calibration



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Road Maintenance Supervisor
City of Farmington Hills, MI
Dept. of Public Works

- 23 years as an employee of the City beginning as a Laborer in 1991, moving up through the ranks to Equipment Operator III/Crew Leader in 2001, and then promoted to Road Maintenance Supervisor in 2004.
- 2009 graduate of Michigan APWA's Michigan Public Service Institute

Current Responsibility's:

- Snow and Ice control , Liquids production, Stormwater drainage maintenance, Forestry operations, Landscape & ROW mowing maintenance, Irrigation, Gravel road and shoulder maintenance, Street sweeping and various other in-house & contracted services.



Winter Maintenance/Best Practices

- Before the beginning of each snow fighting season, salt trucks must be calibrated to ensure de-icers distribution falls within department guidelines. The calibration should be rechecked if there are any mechanical adjustments or changes throughout the remainder of the snow fighting season. A must for safety of the public, consistent goals, target application rates and environmental sustainability .

TRAINING-EQUIPMENT READINESS

- Pre-Calibration meeting: refresher for procedures and “game plan”, **including operator input.**
- **Training** of personnel (PowerPoints, Videos/ In-House, Webinars, etc.)
- Involve your vendors (site visit)
- Calibration of **liquid** and granular equipment. (Utilizing “catch” tests and scales, grid)

TOOLS/Equipment Needed

- Well Maintained Truck/Slip-In/Tailgate Tank, Vee-Box Tanks, Trailers etc ...
- Fluids in normal operating range & **TEMP**.
- Bucket, Barrel, any container with graduated marks will do for “catch tests”
- Liquid(materials)
- Manuals/Videos of specific equipment calibrating procedure



Manual vs Auto

Calibrate for consistent application



1-13-12



RESOURCES-NETWORKING- TEAMWORK

- Local LTAP, APWA,CRAM, MDOT, SEMCOG, Winter Maint Groups throughout the state
- Network with your “neighbors”
- Attend or view conferences, seminars, webinars, local meetings
- YOU-TUBE
- <http://www.clearroads.org/>
- <http://www.saltinstitute.org/road/snowfighting/>
- <http://www.apwa.net/>
- <http://www.semcog.org/>
- MI DOT, IOWA DOT, OHIO DOT, MINN DOT, COLORADO DOT.....

**CITY OF FARMINGTON HILLS
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[Click here to view a video instruction demo](#)



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