

# Winter Snow and Ice Workshop

**WHO:** PUBLIC and PRIVATE SECTOR:  
ROADS, SIDEWALKS, and PARKING LOTS

**DATE:** THURSDAY, OCTOBER 13, 2011 OR FRIDAY, OCTOBER 14, 2011

**TIME:** 8:00 AM — 2:30 PM \*Registration opens at 7:30 AM

**PLACE:** CITY OF MCHENRY PUBLIC WORKS: 1415 INDUSTRIAL DRIVE, MCHENRY, IL 60050

## Sensible Salting.....

Removal of snow and ice from McHenry County pavement is essential for public safety and the local economy. During winter storm events, the use of pavement deicing chemicals is widely accepted and, as some would argue, essential means of keeping pavements safe and passable.

Sodium chloride (NaCl), or common salt, is by far the most popular roadway deicing chemical because of its reliability, economy, and usability. However, it is also corrosive to vehicles, roadway surfaces, parking lots, driveways, and bridges and has been found to have adverse effects on the environment.

In addition, research indicates that chloride levels are increasing in McHenry County's surface water and groundwater, and salt used for pavement deicing is one of the primary sources of this increase.

Therefore, a reduction in salt use, through sensible salting, is likely the most effective method of reducing the risks of chloride contamination.

*Salt:  
Once in Solution,  
Always in Solution!*



### Consequences of Improper Salt Use:

- Influence on Roads:** Excessive salt use on roads penetrates concrete to corrode reinforcing rods causing damage to bridges, roads and cracked pavement. Furthermore it corrodes metals on automobiles.

- Influence on Water:** Excess salt percolates into the ground contaminating groundwater and surface water resources.
- Influence on Plants:** Elevated sodium and chloride levels in soils inhibits water absorption and reduces root growth. Salt also disrupts the uptake of plant nutrients and inhibits long-term growth.
- Influence on Wildlife:** Damage to vegetation destroys food resources as well as breeding and nesting sites for mammals and birds.
- Influence on Fish:** Some fish species are affected by as little as 1 teaspoon of salt in 5 gallons of water.

## Workshop Information.....

This workshop will be conducted by the County of McHenry: Division of Transportation, Division of Water Resources, and Department of Health. Calibration training will be provided by MCDOT staff and Tovar Snow Professionals.

Registration fee includes: course materials, lunch, refreshments, and have the opportunity to receive Level 1 Certification: Snow and Ice Best Management Practices.

### Training Topics Include:

- Application Rates
- Weather Conditions
- Material Storage
- Levels of Service
- Truck Washing
- New Maintenance Methods
- Environmental Effects
- State/Local Law
- NPDES Compliance

### Demonstration/Hands-on:

- Calibrating Equipment

### Who Should Participate:

- Public works superintendents, managers, directors
- Snow Plow Operators/Deicing applicators
- Contractors maintaining private/public walkways and/or parking lots
- Property Managers writing deicing contracts
- Distributors of anti-icing/deicing products
- Others responsible for winter maintenance.

## Sponsored By...



Need More Information?

Contact: County of McHenry  
Division of Water Resources

Phone: (815) 334-4213

Additional Registration Info:  
[www.mchenryh2o.com](http://www.mchenryh2o.com)

6 PDH's are available.

## Registration Form

### Choose Workshop Date:

Thursday, October 13, 2011  
 Friday, October 14, 2011

Name \_\_\_\_\_

Title \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_

E-Mail \_\_\_\_\_

### Registration Information:

**Snow and Ice Registration Fee: \$25.00\***

Please make checks payable to:  
McHenry County Treasurer

**Mail Checks to:**  
McHenry County - Division of Water Resources  
2200 N. Seminary Ave  
Woodstock, IL 60098

**Payments & registration and must be received by:  
October 10, 2011**

\*Breakfast Snacks, Lunch and Refreshments included in fee.