

Recommendations for Road Salt Best Management Practices (BMPs)

This list includes several road salt and winter maintenance BMPs that help to reduce chloride pollution. Two BMPs in this list are *required by the MS4 permit*. Others have been shown to be *most effective* for reducing chloride levels in waterbodies. BMPs *Recommended for watersheds with elevated chloride*, should be considered as a minimum practice to reduce the harmful effects of excess chloride in these watersheds.

Required by the MS4 Permit	Best Management Practices	Most effective	Recommended for watersheds with elevated chloride
Decreasing salt migration from storage			
X	Piles are covered with no run-on and subsequent run-off of salt		X
	Closed end structures (impervious sidewalls and confined entrance doors)	X	X
	Open end structures (impervious sidewalls but completely open on one end)		
	Sheds (wood framed structures with pervious sidewalls)		
X	Brine or other liquids have secondary containment or bollard or barrier protection.		X
	Loading pads		X
	Designated washout areas		X
Decreasing salt in runoff from application			
	Total fleet equipment calibration	X	X
	Equipment calibration to material type	X	X
	Increased snow removal prior to de-Icing		
	Anti-Icing road surfaces prior to snowfall		
	Use of pre-wetting devices during application or pretreated material to reduce material scattering from the travel lanes		
	Use of live-edge plows	X	
	Filling trucks based on predetermined capacity for route expectations		
	Monitoring road surface temperature and salt application rate		
	Speed controlled spreaders		
	Requiring drivers to stop spreaders and return unused material upon route completion		
	Use of precision weather forecasts for service planning (RWIS, OHGO, etc.)		
	Post storm performance evaluation		
	Reevaluating levels of service		
Education and training			
	Encourage additional training (such as through OPWA)		X
	Training specifically toward goals of reduced salt application		
	Public education addressing maintenance goals and service expectations		X
	Education for Decision makers		X

