

MISC. STORMWATER PROGRAMS

STREET SWEEPING:

It is the City's policy to sweep all of the streets five times a year. This is done twice in the Spring, once in the Summer and twice in the Fall, in conjunction with the Fall Leaf Pick-up. With the exception of the Fall sweeping, the work is done on Friday's during the year. The downtown area is swept first and then the remaining portion of the work day is spent sweeping the remaining streets in the City. The sweeper operator will begin in the northeast quadrant of the City and work his way counter-clock wise around the City sweeping the streets. Where he ends on one Friday will be the starting point for the next Friday. The downtown is swept every Friday, from mid-March to the end of October, and the remaining streets are swept twice in the Spring and once during the Summer. In the Fall the sweeper operator follows the leaf pick-up operations to collect any remain leaves on the street. The material picked up in the Spring and Summer are taken to the Compost Site and disposed of and the material in the Fall is also taken to the City Compost Site and composted with the other leaves that have been picked up.

SUMP CLEANING:

All storm catch basin sumps and manhole sumps are cleaned at least once each year. The material is either vacuumed out with an attachment on the street sweeper or cleaned out by hand. The material is taken back to the Public Works Garage and placed in a designated concrete bin where is allowed to dewater. The water that drains off of this material is discharged to the sanitary sewer. Once the water has drained from the material it is trucked to the Compost Site. This work is done during the year when manpower is available. The crew will begin in the northeast quadrant of the City and work there way counter clockwise around the City, using Storm Sewer System Maps to mark off the catch basins and manholes that have been cleaned.

ROAD SALTING:

Road salting is done according to the “DPW Snow and Ice Control Standard Operation Guidelines” that were adopted October 29, 2008. A copy of the guidelines is attached. The guidelines deal with plowing operations and salting/sanding operations. The guidelines are reviewed with Department of Public Works employees in the late Fall or early Winter, before the first snow fall, to make sure that everyone is aware of the correct procedures for plowing operations. When the salting/sanding equipment is installed on the trucks it is checked for proper function and calibration. The calibration of the equipment is review with the driver assigned to that truck.

LEAF/GRASS CLIPPING MANAGEMENT:

Leaves and grass clippings are managed through the City’s Illicit Discharge Ordinance. This material is prohibited from being placed in the streets. Information is available to the residents and property owners through the City’s website, newspaper articles, flyers in the tax bills and information posted in City buildings. Property owners and residents are also notified when any violations are seen through direct contact and letters. Follow up inspections are done to make sure the violation is corrected.

Citizens can take yard waste to the City’s Compost Site for proper disposal of the material. The site is open two days a week from April to November. There is also a drop off site at the Public Works Garage that is available five days a week, for the entire year, for citizens to use when the Compost Site is not open.

In the Fall a Leaf Pick-up is done for the entire City. Residents are directed to rake their leaves to the terrace, where the City picks them up. Information on the pick-up schedule and that leaves should not be placed in the street are made available to the citizens in the form of new articles and webpage postings. Contact is made with residents who place the leaves in the street by direct contact and through letters. A follow inspection is made to insure the leaves are removed from the street area.

STAFF TRAINING:

Staff training takes place on an as needed basis. In the Spring refresher training is done on street sweeping, sump cleaning and leaf/grass management, prior to these programs starting. Also the employees receive training on the detection of illicit discharges from the storm outfalls. This enables them to recognize potential problems should they see them when they are out in the field. In the Fall the Leaf Pick-up Program is reviewed with the crew prior to the start of the collection. Prior to the first snow fall the salting program is review with all of the employees. The list of “salt only” streets is reviewed along with the calibration of the equipment. The equipment is installed on all of the trucks and is checked for proper function and calibrated.

FERTILIZER/HERBICIDE APPLICATION:

Currently the City does not apply fertilizer or herbicide on municipally controlled properties with a pervious surfaces over five acres in size. No policy or program is therefore required. Herbicides are used on smaller areas (+/- 500 square feet), but it is done according to manufacturer’s specifications and by personnel that are properly trained in the application.

OTHER MUNICIPAL PROPERTIES – Pollution Prevention Program:

The other City facilities have been investigated for possible inclusion in the Pollution Prevention Program. The Wastewater Treatment Plant, Water Department, and the swimming pool area at Rock River Park. While there are items that can potentially contaminate storm water, all of the materials are stored and used inside of a building. The chance for possible contamination is minimal. Each site does have a spill prevention program to handle interior spills, to prevent materials from reaching the sanitary sewer system. No additional Storm Water Pollution Prevention Program is required.

DPW SNOW AND ICE CONTROL STANDARD OPERATING GUIDELINES

10/29/08

The DPW has the responsibility of maintaining safe streets at all times. This is a challenging task, particularly during winter season when clearing streets of ice and snow may be required at any time of day or night. This task will be even more difficult this year because of the limited supply of salt we will be working with.

Therefore, this year's standard operating procedure will be somewhat different from the City's adopted Snow and Ice Control Policy. The following recommendations are guidelines and not intended to address every situation. If there is any doubt of how you should plow or salt, ask for instructions.

Plowing Operations

All City streets will be plowed if snow accumulations are greater than 1". All highways, school streets and hospital streets will be plowed if snow accumulations are greater than ½". During plowing operations no salt or treated sand will be applied until the street is completely plowed curb to curb.

Salting and Sanding Operations

During salting and sanding operations, no salt will be applied without first using the plow to remove all accumulated snow in the traffic lane. This does not mean the entire road must be plowed curb to curb, but the center of the road and traffic lane must be plowed before salt is applied. Four lane roads such as Janesville Ave and Main St from N Third to Whitewater Ave will have both traffic lanes plowed. When these four lane streets are salted, salt will be applied at the centerline and the lane line.

The four wing trucks being used for applying salt will have the augers calibrated so an accurate measurement of the salt usage can be made. The salt usage calculations will be based on the trucks applying the salt at 15-20 mph. It is important that the drivers of these trucks maintain this speed range to ensure an accurate accounting of the salt used. Before any deicing salt is used, the road surface temperature will be measured to determine what settings to use on the salt trucks. The temperature will be determined by the Superintendent, DPW Supervisor or truck driver as designated, with an infrared measuring device. Based on the road temperature and weather forecast, the auger and spinner settings will be set and will not be changed by anyone without permission.

The following chart will be used to set auger speeds to apply the appropriate amount of salt for each street.

Salt Application Rate Guidelines 2008-2009

Pavement Temp and (Trend)	Weather Condition	Salt-lbs/lane mile
>30f (Rising)	Snow	100
	Frz Rain	100-200
>30f (Falling)	Snow	100-200
	Frz Rain	180-240
25-30f (Rising)	Snow	150-200
	Frz Rain	180-240
25-30f (Falling)	Snow	150-200
	Frz Rain	200-300
20-25f (Rising)	Snow	200-300
	Frz Rain	
20-25f (Falling)	Snow	250-350
	Frz Rain	300-400
15-20f (Rising)	Snow	250-350
	Frz Rain	300-400
15-20f (Falling)	Snow	300-400
	Frz Rain	
0-15f (Rising or Falling)	Snow	300-400
<0f	Snow	300-400

HIGHWAYS AND SALT STREETS	SALT PASSES
MADISON AVE	1
ROBERT ST	1
JANESVILLE AVE	2
N MAIN ST	1
N THIRD ST	1
N HIGH ST	1
MAIN ST (N 3RD TO WHITEWATER)	2
WHITEWATER AVE	1
SHERMAN AVE	1

HIGHWAYS AND SALT STREETS		SALT PASSES
RIVERSIDE DR		1
S THIRD ST		1
S WATER ST E		1
S WATER ST W		1
PURDY ST		1
MILWAUKEE AVE E		1
MILWAUKEE AVE W		1
GRANT ST		1
LUMBER ST		1
N WATER ST E		1
N WATER ST W		1
EDWARD ST		1
MECHANIC ST		1
N FOURTH ST		1
AMENIA ST		1
McMILLEN ST		1
GROVE ST		1
PARK ST		1
S MAIN ST		1
W CRAMER ST		1
MONROE ST		1
CHARLES ST		1
LUCILLE ST		1
HARRIETTE ST		1
ROOSEVELT ST		1