

CITY OF SAGINAW

MUNICIPAL OPERATIONS AND MAINTENANCE ACTIVITIES

The EGLE NPDES Phase II MS4 Discharge Permit Application requires a procedure for assessing the applicant's operation and maintenance activities for the potential to discharge pollutants to surface waters of the state. The assessment shall identify all pollutants that could be discharged from each applicable operation and maintenance activity and the BMPs being implemented or to be implemented to prevent or reduce pollutant runoff.

This inventory will be updated within 30 days as facilities add/remove BMP to address new and existing operation and maintenance activities.

The procedure shall include assessing the following municipal operation and maintenance activities if applicable:

- Road, parking lot, and sidewalk maintenance (e.g., pothole, sidewalk, and curb and gutter repair)
- Bridge maintenance
- Right-of-way maintenance
- Unpaved road maintenance
- Cold weather operations (e.g., plowing, sanding, application of deicing agents, and snow pile disposal)
- Vehicle washing and maintenance of applicant-owned vehicles (e.g., police, fire, school bus, public works)

The City of Saginaw is responsible for road, parking lot, and sidewalk maintenance, bridge maintenance, right-of-way maintenance, any unpaved road maintenance, all cold weather operations, and washing and maintenance of city owned vehicles. The City of Saginaw has procedural standards for municipal operation and maintenance activities aimed at conducting activities as efficiently and safely as possible while preventing and/or reducing pollutant runoff. Please see Table 1 on the next page for a list of the City of Saginaw's Operation and Maintenance Activities, pollutants that could potentially be discharged, the pollution potential and the BMPs implemented to prevent and/or reduce pollutant runoff.

Table 1. Municipal Operations and Maintenance Activities

Municipal Operation and Maintenance Activity	Pollutants that could be Discharged	Pollution Potential (High, Med., Low)	BMPs Implemented to Prevent and/or Reduce Pollutant Runoff
Road, Parking Lot, and Sidewalk Maintenance	Debris and pollutants from the road, sediment, left over materials	Low	Implement part 91 requirements for SESC using County Enforcing Agency-Saginaw CPW-CEA: 111 South Michigan Ave Saginaw, MI 48602 (989)-790-5258
Bridge Maintenance	Debris and pollutants from the road, sediment, left over materials	Low	Implement part 91 requirements for SESC using County Enforcing Agency-Saginaw CPW-CEA: 111 South Michigan Ave Saginaw, MI 48602 (989)-790-5258
Right-of-Way Maintenance	Sediment	Low	Implement part 91 requirements for SESC using County Enforcing Agency-Saginaw CPW-CEA: 111 South Michigan Ave Saginaw, MI 48602 (989)-790-5258
Unpaved Road Maintenance	Sediment	Low	Implement part 91 requirements for SESC using County Enforcing Agency-Saginaw CPW-CEA: 111 South Michigan Ave Saginaw, MI 48602 (989)-790-5258
Cold Weather Operations	Debris and pollutants from the road, sediment, and runoff of deicing agents	Low	Plowing is done as to minimize scrapping of the pavement. Please see the PIPP for additional information concerning runoff of deicing agents.
Vehicle Washing and Maintenance	Detergents and debris from vehicles	Low	All City of Saginaw owned vehicles are washed at City facilities.

The City of Saginaw prioritizes the cold weather operations of snow removal of its roads based on the volume of traffic and on a time permitting basis. The highest priority roads for snow removal are state trunk line roads (I675, M13, M58, M46, M84, and M81), bridges, major streets (such as Michigan Ave, Court St, Genessee Ave, Brockway Rd, and Hess Ave), and emergency routes. Cold weather operations are paved on local roads only when these high priority areas have been completely taken care of.

All of these areas within City of Saginaw’s jurisdictional boundaries are snow plowed on an as needed basis from the time the snow starts in the fall until the snowfall ceases in the spring (October 1st-March). Fully up-to-date equipment capable of completing the work shall be used according to the manufacturers' operating instructions and to protect water quality. Furthermore,

there is no designated storage area for the snow that is removed. Snow is pushed to the sides of the roads and disposed of always taking the public's safety as its primary concern.

Rock salt, liquid brine and beet juice are used as road deicers during inclement weather conditions where ice and snow can create unsafe driving conditions. Distribution of the material to the roads is by truck with a calibrated broadcaster mechanism. Procedures are in place to minimize the use of the deicers, however public safety is the primary objective in de-icing operations.

Road, bridge, parking lot, sidewalk, right-of-way maintenance, and vehicle washing and maintenance are performed on as as-needed basis. There is no set schedule or priority for these operations.

Updating/revising the prioritization is 30 days following the construction of a new street, parking lot, or other applicant-owned or operated impervious surface, or within 30 days of identifying a need to revise a priority level.

A location map of the local and primary roads that correlate with the priority schedule for cold weather operations of snow plowing and removal within the City of Saginaw’s jurisdictional boundary limits can be seen in the storm sewer system map. Please see Table 2, below, for a list of prioritization and frequency of City of Saginaw’s cold weather operations of the snow plowing, removal and de-icing schedule.

Table 2. Street Plowing/Removal and De-icing Priority and Frequency

Street/Location	Priority Ranking (Low, Medium, High)	Frequency and Timing
State Trunk lines (I675, M13, M58, M46, M84, and M81)	High	~1 st of October-March <i>(Plowed when deemed necessary- on an as needed and time permitting basis.</i>
Bridges over Saginaw River	High	~1 st of October-March <i>(Plowed when deemed necessary- on an as needed and time permitting basis.</i>
Major Streets (Michigan Ave, Court St, Genessee Ave, Brockway Rd, and Hess Ave)	Medium	~1 st of October-March <i>(Plowed when deemed necessary- on an as needed and time permitting basis.</i>
Local Roads and Subdivisions	Low	~1 st of October-March <i>(Plowed when deemed necessary- on an as needed and time permitting basis.</i>

Prioritization Of Sweeping

The City of Saginaw prioritizes the sweeping of its roads based on the volume of traffic, aesthetics and the priority listings, found below. Only the major streets in the City of Saginaw are swept. Sweeping is performed four times per year.

Priority A (High):

Main Roads travelled along throughout the day.

Priority B (Medium):

Areas where commercial activities take place.

Priority C (Low):

These areas include residential areas that are medium density or single family homes and have very low traffic. These roads are not swept by the City of Saginaw.

Table 3. Street Sweeping Priority and Frequency

Street/Location	Priority Ranking (Low, Medium, High)	Frequency and Timing
Major roads within the City of Saginaw's jurisdictional boundaries.	High	Four times per year

Measurable Goals

- Number of complaints received each year.
- Pollutant runoff reduction on a yearly basis.
- Conditions of roads (paved and unpaved), parking lots and sidewalks at the end of each year.