

# **Saginaw Charter Township**

## **Municipal Operations and Maintenance Activities**

### **Overview**

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 annually as facilities add/remove BMPs to address new and existing operation and maintenance activities. This inventory will be updated by either Saginaw Charter Township's appointed Stormwater Program Manager and/or the Township's designee. Any updates will be included in future progress reports submitted to the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

### **Procedure**

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)

From the above activities, Saginaw Charter Township is responsible for the following:

- Road, parking lot, and sidewalk maintenance (e.g., pothole, sidewalk, and curb and gutter repair) (*Note- Activities contracted out*)
- 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)

Please see Table 1 for a list of Saginaw Charter Township'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. Operation and Maintenance Activities

<b>Municipal Operation and Maintenance Activity</b>	<b>Pollutants that could be Discharged</b>	<b>Pollution Potential (High, Med., Low)</b>	<b>BMPs Implemented to Prevent and/or Reduce Pollutant Runoff</b>
<b>Road, parking lot, and sidewalk maintenance</b>	Debris and pollutants from the road, sediment, left over materials	Medium	Catch Basin (CBs) sumps, vegetated buffers, sweeping as needed, spill cleanup
<b>Cold Weather Operations-Snow Pile Disposal</b>	Debris and pollutants from the road	Low	<p>Plowing is done as to minimize scraping of the pavement. Plowing is for public safety and is performed on an “as needed basis”.</p> <p>Snow is plowed and disposed of with the intent of preventing discharge to any stormwater structural controls</p> <p>Snow is either plowed to the side of the road and left in place or hauled to vegetated areas.</p>
<b>Vehicle Washing and Maintenance</b>	Detergents and debris from vehicles	Low	Township owned vehicles/equipment are washed in their respective maintenance facilities.

*Cold Weather Operations*

Cold weather operations in all of the areas within Saginaw Charter Township’s jurisdictional boundaries are performed on an as needed basis from the time the snow starts in the fall until the snowfall ceases in the spring (October 1<sup>st</sup> - 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 or disposed of, if necessary, in township owned locations with large vegetated areas. The township’s primary concern in this matter is always the public's safety.

*Vehicle Washing and Maintenance*

Vehicle washing and maintenance is performed on an as-needed basis. Township owned vehicles/equipment are washed in their respective maintenance facilities. This wash water

drains directly to the sanitary sewer system. There is no set schedule or priority for these operations.

### **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.