

# **Swan Valley School District SCHOOL DISTRICT OPERATIONS AND MAINTENANCE**

## **SCHOOL DISTRICT OPERATIONS AND MAINTENANCE ACTIVITIES**

The MDEQ 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 annually facilities add/remove BMP to address new and existing operation and maintenance activities.

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

- Driveway, parking lot, and sidewalk maintenance (e.g., pothole, sidewalk, and curb and gutter repair)
- Cold weather operations (e.g., plowing, sanding, application of deicing agents, and snow pile disposal)
- Vehicle washing and maintenance of school district-owned vehicles (e.g., school bus, pickups, tractors, lawn care equipment, other)
- Managing vegetative properties

The Swan Valley School District (SVSD) is responsible for parking lot and sidewalk maintenance, cold weather operations of snow plowing and snow pile disposal, and vehicle washing and maintenance. All of the other listed municipal operation and maintenance activities do not apply. Please see Table 1 on the next page for a list of the SVSD'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.

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**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>Driveway, Parking Lot and Sidewalk Maintenance</b>	Sediments, debris deicing agents, vehicle fluids	Medium	Catch Basin (CBs) sumps, vegetation buffers, sweeping as needed, spill cleanup
<b>Cold Weather Operations – Snow Plowing and Pile Disposal</b>	Debris and pollutants from the road, deicing agents, sediment.	Medium	Plowing and staging snow piles on vegetation away from CBs, or drains, maintaining vegetated buffers. Use of deicers is minimized and they are only used in key areas for safety concerns.
<b>Vehicle Washing and Maintenance</b>	Detergents and debris from vehicles	Medium	All SVSD owned vehicles are washed outside and maintained at the SVSD Bus Garage. Non-phosphate cleaners are used.
<b>Managing vegetative Properties</b>	Grass clippings, pesticides, fertilizers (if used)	Low	Education of staff to keep grass clippings away from CBs. Mow high when possible, manage vegetative buffers by drains and in detention basins, seed bare areas. If spraying either contract out or have USDA Certified staff do spraying. Fertilizers must have no or low phosphorus and soil tested before applications. Use mulch for erosion prevention.

Parking lot and sidewalk maintenance are performed on an as needed basis. Any and all work shall conform to Part 91 requirements for SESC. It is noted that public educational institutions must meet construction standards dictated by the State of Michigan and that all pertinent state building codes and necessary permits for construction must be adhered to or the state will not issue a permit to construct for the school district.

The Swan Valley School District performs snow plowing and snow pile removal on its properties on an as needed basis. Snow is piled on school property in large vegetated areas adjacent to the paved surfaces as necessary. Fully up-to-date equipment capable of completing the work is used according to the manufacturers' operating instructions and to protect water quality.

The Swan Valley School District's maintenance staff is responsible for vehicle washing and maintenance. This is done on an as needed basis. Vehicle washing is performed outside, with wash water draining into a vegetated area with no outlet. Maintenance is performed inside.

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Vegetated properties managed by the Swan Valley School District's maintenance staff will use the best management practices as described in their standard operating procedures manual for building and grounds maintenance.

Updating/revising the prioritization is annually 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.

### **Measurable Goals:**

- Amount of deicers used per year.
- Conditions of parking lots and sidewalks at the end of each year.