



Municipal Separate Storm Sewer System (MS-4)

Minimum Control Measure 6 (MCM #6)

Pollution Prevention/Good Housekeeping

Purposes: An effective program that helps ensure a reduction and type of pollution that: (1) collects on municipal streets, parking lots, open areas, storage areas and maintenance areas, is discharged into local waterways; and (2) results from actions such as environmentally damaging land development and flood management practices or poor maintenance of stormwater systems is crucial to success of a stormwater management program.

EPA Requirements:

- Develop, implement and maintain an operation and maintenance program with the goal of preventing or reducing pollutant runoff from municipal operations into the stormwater system;
- Include employee training on how to incorporate pollution prevention/good housekeeping techniques into municipal operations such as fleet and building maintenance, roadway maintenance, new construction and land disturbances; and stormwater system maintenance;
- Determine the appropriate best management practices (BMPs) and measurable goal for this minimum control measure.

Guidelines & BMPs:

-Maintenance activities, maintenance schedules, and long-term inspection procedures

- Update the inventory of the township stormwater system
- Continue to seek and list newly discovered facilities
- Monitor inlets & outfalls for illicit discharges
- *Report in MCM #6 of PA-DEP MS4 Annual Report*
- **Measurable Goal** – Fairview Township Public Works Department will Monitor inspect and clean about 80-100 road surface inlets each report period. All work will be documented using the Inlet Inspection Short Form along with any accompanying digital pictures. The township will also inspect and monitor a minimum of 30 outfalls for illicit discharges; these will be documented on the outfall inspection short form. All illicit discharges will be reported for investigation, and illicit discharge investigations will be documented using the IDD&E long form.

- Gather data specifically related to nonpoint source impacts on inlet points to the stormwater system
 - *Report in MCM #6 of PA-DEP MS4 Annual Report*

- **Measureable goal** – Fairview Township Public Works department will monitor and gather information on 80-100 inlets in each reporting period. All work will be documented on the inlet inspection short form, along with any accompanying pictures.
 - Flush and CCTV stormwater system
 - *Report in MCM #6 of PA-DEP MS4 Annual Report*

- **Measurable goal** – Fairview Township Public Works Department will make repairs to existing storm sewer systems in place or under streets designated for resurfacing each year. All work will be documented using the inlet inspection short form, along with accompanying pictures and CCTV logs.
 - Replace and/or install stormwater conveyance pipe and/or inlets
 - *Report in MCM #6 of PA-DEP MS4 Annual Report*

- **Measureable goal** - Fairview Township Public Works Department will replace stormwater conveyance pipe and/or inlets on an as needed basis. Refer to “Monitor inlets and outfalls for illicit discharge” and “Flush and CCTV stormwater system” above.
 - **Street Sweeping**
 - *Report in MCM #6 of PA-DEP MS4 Annual Report*

- **Measurable goal** – Fairview Township Public Works Department will sweep (road edge to road edge) all Township owned streets and parking lots (that have bituminous wearing surface) using one regenerative air sweeper beginning around mid March and ending mid May. This includes approximately +/- 90 lane miles of roadways. Collected debris will be temporarily stored at the storage site off of Rudytown Road and the Southern Wastewater Treatment Plant (612 Wyndamere Road). All collected debris will be tested and legally disposed of at a landfill. All work, collected debris information and debris disposal information will be documented using the street sweeping forms.

- **Measureable goals assessment**
 - Are existing maintenance activities, schedules and procedures effective and efficient in reducing pollutants from being discharged from the stormwater system? YES
 - Are current maintenance activities, schedules and procedures sufficiently documented? The forms identified above will be reviewed and revised as needed during each report period.

- **Controls for reducing or eliminating the discharge of pollutants**
 - Implement and upgrade vehicle service practices
 - *Report in MCM #6 of PA-DEP MS4 Annual Report*

Collect and recycle waste oil from township vehicles and equipment, all waste oil will be disposed of at Fairview Township businesses for the sole purpose of heating through use of a waste oil burner.

- **Measureable goal** – Perform this maintenance activity annual and document accordingly on the appropriate forms. Continue to train and educate new and existing employees.
- Clean highway department storage bays trench drains and that lead to oil/water separator and the drain and oil/water separator in the maintenance bay, at a minimum of 1 time per year(Hazelton Oil).
 - *Report in MCM #6 of PA-DEP MS4 Annual Report*

All vehicles and equipment are to be washed at the equipment wash station located at the North Wastewater Treatment Facility (100 Sewered Road, New Cumberland Pa, 17070). This wash station is equipped with a grit/oil/water separator and discharges to the treatment facility. This separator is cleaned annually by a contracted servicer and they haul the waste to their industrial wastewater treatment facility (Kline’s Services Inc).

- **Measureable goal** – Continue to wash all vehicles and equipment at the wash station located at the North Wastewater Treatment Facility and that wash water is discharged through the separator then to the treatment facility. Continue to educate and train existing and new employees on this procedure.
- Storage of Rock Salt (sodium chloride) in a designated storage area.
 - *Report in MCM #6 of PA-DEP MS4 Annual Report*
 - The rock salt is purchased in bulk and is dumped inside the salt dome, located at the lower building off of Rudytown Road and at South WWTP (612 Wyndamere Road), to prevent brine material from into the stormwater system.
 - The townships typically uses straight salt for deicing of township roads and parking lots, thus greatly reducing the amount of time needed and material removed during sweeping operations.
- **Measureable goal** – Continue to operate in accordance with policies in place and continue to educate and train new employees as needed.
- **Use the salt brine and/or liquid magnesium chloride applicators (pre-wetting) to reduce the amount of salt needed for deicing.**
 - This is temperature dependant on whether we use salt brine or liquid magnesium chloride. Using either material reduces the amount of salt needed by (1) starting the reaction time quicker to deice and (2) creating less “bounce” of rock salt, keeping more rock salt in the lanes of travel and less off the road
 - *Report in MCM #6 of PA-DEP MS4 Annual Report*
- **Measurable goal** - Continue to retrofit the equipment with pre-wetting capabilities

➤ **Measureable goal assessment**

- Are existing controls effective and efficient? YES
- Are current controls sufficiently documented? The township is working on setting up better SOPs and/or forms to be utilized where necessary. Then they can be reviewed and revised as needed for each reporting period.
- **Procedures for the proper disposal of waste removed from the stormwater system**
 - Off load removed waste. When enough material is accumulated it will be sent to the landfill. Continue to maintain E & S controls to protect site.
 - goal for 2014-2015 – establish MS-4 documentation & report in MS-4 annual report

The debris removed from inlets, roadway surfaces, stormwater pipes and culverts will be documented on the appropriate (quantity and type) and temporarily stored in the public works designated area that have appropriate erosion and sediment controls in place. After streets have been swept and inlet boxes cleaned typically sometime in August the debris will be tested and hauled to the local landfill.

- **Measureable goal** – Document and quantify the amount of debris collected annually. Continue to train and educate the employees of this procedure.

➤ **Measureable goals assessment –**

- Are existing procedures for disposing of wastes removed from storm water system effective and efficient? YES
- Are current procedures sufficiently documented?
These will be reviewed and revised as needed during each reporting period.