

Addison Township Highway Department, Illinois

Stormwater Management Program Plan (SMPP)

Introduction

Addison Township has a General Permit from the Illinois Environmental Protection Agency (IEPA) for its Municipal Separate Storm Sewer System (MS4) and as such the Township has developed this stormwater management program to prevent and reduce pollution to its storm sewer system to the maximum extent practicable. This document describes the pollution prevention practices that comprise the Township's stormwater management program.

Public Education and Outreach

- Pamphlets- Available at the Addison Township Highway Department office, provide steps that the public can take to reduce pollutants in stormwater runoff; the hazards associated with illegal discharges and improper disposal of waste; and green infrastructure.
- DuPage County Stormwater Management- DuPage County Stormwater Management provides, through its Stormwater Outreach Coordinator, various training workshops, homeowners workshops, brochures, training manuals, teacher/student education, videos, etc.
- Public Services- the Addison Highway Department provides on-going e-cycle & textile recycling programs, and a subsidized Rain Barrel purchase program. The township has identified Stormwater drains and applied stormwater applications to sixty two (62) manholes throughout the township.

Illicit Discharge Detection and Elimination

- Storm Sewer System Map- The Township has a digitized map of the entire storm sewer system, which is used to trace discharges. Township MS4 outfalls are also mapped.
- Resident Reporting- Residents can report instances of pollution or suspected pollution by contacting the Township (630) 766-2228 or email.
- DuPage County- DuPage County has initiated their Illicit Discharge Detection and Elimination (IDDE) program regarding the screening for and tracing of illicit discharges into Waters of the State from MS4 outfalls. County staff hosts an illicit discharge hotline, performs field inspections of known outfall locations, and, where applicable, traces a suspected illicit discharge to the source.

Construction Site Runoff Control

DuPage County Stormwater Management adopted the Countywide Stormwater & Flood Plain Ordinance (CSFPO) in 1991, which establishes the minimum stormwater management requirements for development in DuPage County. The CSFPO, which is enforced by DuPage County Stormwater Management as well as by certified communities in the county, establishes standards for construction site runoff control.

Post Construction Runoff Control

DuPage County implementation and enforcement of the County's Stormwater Management (DCSFPO) and Flood Plain Ordinance; performs related work as required. Also, establishes standards for post-construction runoff control.

Stormwater Pollution Prevention for Township Operations

- Employee Training- Township staff is trained on such topics such as: material storage, hazardous wastes, illicit discharges, equipment cleaning, vehicle maintenance, street maintenance, and lawn and landscape care.
- Catch Basin cleaning- The Township cleans catch basins periodically. Supplemental cleaning is conducted as needed based on visual inspection of the catch basins. The Township removes and disposes of all collected debris by a waste hauler.
- Material Storage – Flammable materials (other than fuel) at township facilities are contained in indoors. Fuel is contained in underground storage. Road salt is stored under permanent cover.
- Fleet Maintenance and Cleaning – Maintenance and cleaning are performed inside the Township facility where floor drains are connected to an oil/grease separator and the septic system.
- Waste Disposal – The Township contracts with LCB waste management directly to provide garbage disposal.

Pollution Prevention/Good House Keeping

This section describes how the compliance with permit requirements is achieved by incorporating pollution prevention and good housekeeping stormwater quality management into day-to-day operations. On-going education and training is provided to ensure that all its employees have the knowledge and skills necessary to perform their functions effectively and efficiently.

The Addison Township Highway Department is responsible for the care and upkeep of the Township municipal roads, and Township owned maintenance yards. Many maintenance activities are most regularly performed directly by Township staff.

1. Catch Basins and Storm Sewer:

The Township currently inspects, cleans, and maintains the MS4 components on a routine annual basis. The debris that is collected and hauled away for proper disposal.

2. Litter and Debris:

Right-of-ways within the MS4 limits are cleaned by SWAP personnel on an as-needed basis.

3. Snow Removal and Ice Control: The minimal amount of salt, de-icing chemicals, and additives necessary for effective control. Prior to November 1, preparation work to obtain seasonal readiness is completed. These tasks include inspecting and re-conditioning of spreaders and spinners, installing these items onto snow removal vehicles, performing test operations, and conducting effective driver training. Performing these preparatory tasks helps ensure that only the necessary level of salt is applied. The materials used for combating roadway Ice include the following:

- Salt - Rock salt

Staff has reduced road salt usage by lowering the application rates for the salt when possible and limiting 'bare pavement' salting to collector and arterial streets only. Under normal circumstances only hills, curves, intersections, arterials, and collector streets and neighborhood connector roadways have been salted.

4. Salt Delivery and Storage:

Steps are taken to ensure that the delivery, storage, and distribution of salt does not pollute stormwater runoff from the Township facility. The floor of the salt storage building is constructed of concrete and adjacent receiving/unloading area are constructed of asphalt & concrete.

5. Vehicle Fueling:

All equipment is fueled at the Township owned fueling area. The vehicle fueling area contains one underground double wall fiberglass storage tank and 1 steel tank. These tanks are monitored by a continuous statistical leak detection system. Leak tests are performed on an annual basis as required by a third party. Two (2) employees have an Underground Storage Tank class A, B, C operating certificate. The purpose of the Underground Storage Tank (UST) certificates is to prevent and minimize contamination of the land and waters of the state due to the storage and handling of fuel.

6. Vehicle Washing:

The Township washes all vehicles in an enclosed garage at their facility which drains to the septic system after entering the oil/grease separator.

7. Vehicle Maintenance:

Vehicle maintenance procedures and practices are designed to minimize or eliminate the discharge of petroleum-based pollutants to the stormwater management system, including receiving waters.

- **Waste Oil:** Used motor oil, transmission fluids, gear lubes, brake fluids and other vehicle fluids (except antifreeze) are collected and stored in a tank. The waste oil tank is emptied, and the contents removed by a licensed waste oil contractor.
- **Antifreeze:** Used antifreeze is inside a building in a 55-gallon plastic drum. The waste antifreeze is then removed by a licensed waste antifreeze contractor.
- **Batteries:** Used batteries are recycled by vendors when buying a replacement.
- **Tires:** Used tires are disposed of at a vendor.

8. Spoil Stockpile:

The spoil stockpile is located at the Township Facility at 411 W. Potter Street, Wood Dale, Illinois. Attempts are made to use excess earth excavation when conditions are warranted. Excess earth excavation is tested prior to removal by Morris Engineering, who provides the necessary documentation (IEPA LPC 663) for proper disposal. Licensed waste haulers are contracted to remove and dispose the contents of the spoil stockpile at a licensed landfill when spoil cannot be disposed of at a regular facility.