

Village of Mokena, Illinois

Stormwater Management Plan

Introduction

The Village of Mokena has a General Permit from the Illinois Environmental Protection Agency (IEPA) for its MS4 and as such the Village has developed this storm water 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 Village's storm water management program.

Public Education and Outreach

- Newsletter - The Village publishes an e newsletter that notifies residents of important information and upcoming events. The newsletter is monthly. VOM includes one storm water related portion once a year. The water quality results are publicized this way along with water saving tips. Any watering restrictions are also publicized here. The newsletter periodically includes articles on topics such as: the impacts of stormwater discharges on water bodies; the 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.
- Public Education Video – The Village has run a cable television segment that describes the water cycle and some of the ways residents can protect and improve our water resources. The Village has now posted a link to an online video so as to allow better access to the educational video.
- Community Events – The Village provides public interaction and education through Mokena Clean Up Day. The event demonstrates how cleanup efforts, yearlong maintenance, and conservation efforts contribute to the condition of our local and regional environment. The Village has partnered with the Land Conservancy of Will County to conduct seasonal education walks at the Crystal Creek Wetland and Prairie Preserve regarding conservation, habitat, and water cycle benefits.
- Website - The Village maintains a website with information and links about stormwater informational material. The website also directs residents to information on rain barrels and where they can purchase materials for constructing this green infrastructure. Information about Village services and upcoming events is also found here.

Public Involvement and Participation

- Clean-Up Day Event - Each year, the Village's conducts a community wide clean-up day to demonstrate how cleanup efforts, yearlong maintenance, and conservation efforts contribute to the condition of our local and regional environment.
- The Village has partnered with the Land Conservancy of Will County to conduct seasonal education walks at the Crystal Creek Wetland and Prairie Preserve regarding conservation, habitat, and water cycle benefits.
- Adopt-a-Highway / Adopt-a-Pond – Community groups, individuals, and other organizations continue the spread of stewardship throughout the community as they participate in this program annually. Litter is then collected in the adopted section at least once per year. Removing debris from these areas prevents it from clogging or being washed into the sewer system.
- Resident open comment period at Village Board Meeting is a meeting where public involvement and participation occurs.

Illicit Discharge Detection and Elimination

- Village Ordinance 2014-0-048 prohibits illicit discharges into the storm sewer system or watercourse.
- Storm Sewer System Map – The Village has a digitized map of the entire storm sewer system, which is used to trace discharges. This map is updated as needed.
- Resident Reporting – Residents can report instances of pollution or suspected pollution by contacting the Village's illicit discharge hotline at (708)479-3927 or by initiating an email inquiry through the Village website. Employees and the public are informed through verbal interaction and educational material of the hazards of illicit discharges that these conduits are in place for the reporting of illicit discharges.
- Detection – Village staff inspects the sewer system for evidence of illicit discharges while performing routine operation and maintenance activities. Residential and commercial buildings are inspected by state certified plumbing inspectors during permit review and inspection.
- Periodic Inspection – The Village conducts periodic inspections, typically in dry weather conditions to detect illicit discharges. In the case of emergency spills or incidents of hazardous material the situation is referred to the Fire Protection District for containment and cleanup.
- Program Evaluation– Input from the public is processed through the existing work order system. The policies of the Village are evaluated and modified to maintain compliance and meet policy goals.

Construction and Post Construction Site Storm Water Runoff Control

- The Will County Stormwater Ordinance is applicable to areas under the Village of Mokena and Will County jurisdiction within the watershed. This Ordinance addresses the volume and rate of release from regulated development sites.
- Village Code – Section 11 Flood Control addresses construction and post-construction runoff from new development and re-development. The Village reviews proposed site plans prior to issuing permits for development. Ongoing projects are inspected to ensure conformance with the approved site plan. Encouragement of green infrastructure features such as open space planned development will be encouraged by the Village where appropriate and applicable as the Village deems so in the design and review phase.
- Village Code prohibits illicit discharges, requires erosion control measures on all sites, and requires construction sites above one acre to have a SWPPP. The building and engineering reviews as well as the pre-construction meeting ensure that appropriate bmps are incorporated into plans. Continued site project meeting will occur as needed and will address and necessary modifications to the proposed plans.
- Village participates in the Hickory Creek Watershed Group as a way of promoting education training, monitoring stream quality and characteristics, promoting green infrastructure, determining possible pollutants of waterways, and promote water quality improvements through BMP's.

Stormwater Pollution Prevention for Municipal Operations

- Employee Training – Public Works Department 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. The goal is to generally train all new employees and conduct periodic training every five years. Annual training of employees is done through SWARM training done through Village participation SW Area Risk Management Group.
- Street Sweeping – The Village sweeps most high priority streets approximately once per month. High traffic areas are checked every two weeks and supplemental sweeping is conducted as needed. Collected debris is removed via garage facility dumpster.
- Inspection and Maintenance – Stormwater detention facilities and catch basin are visually inspected on a regular basis. The storm sewer system is inspected visually periodically and using a video camera in areas of concern. Maintenance is performed on the storm sewer system, as necessary.
- Material Storage – Flammable materials are contained in indoors. Fuel is obtained offsite from gas stations. Road salt and other municipal operations materials are stored under permanent cover.

- Fleet Maintenance and Cleaning – Maintenance and cleaning are performed inside the Public Works facility where floor drains are connected to triple basins and the sanitary sewer system.
- Landscaping – Pesticides and herbicides are only applied on Village property by trained applicators.

Good House Keeping

- Notice of Intent – The term of the Village’s General Permit from the IEPA is five years. At the end of each permit term, the Village submits a Notice of Intent to comply with the conditions of the General Permit to the IEPA. This Notice of Intent describes the practices the Village intends to implement in order to meet the conditions of the General Permit.
- Annual Report – Each year the HR Green Consultants submits a report to the IEPA for the Village documenting its status of compliance with the conditions of the General Permit.