

Village of New Lenox, Illinois Storm Water Management Plan

Introduction

The Village of New Lenox has a General Permit from the Illinois Environmental Protection Agency (IEPA) for discharges from its municipal separate storm sewer system (MS4). The General Permit requires the Village to develop, implement, and enforce a stormwater management program designed to prevent and reduce pollution from its storm sewer system to the maximum extent practicable. This document describes the pollution prevention practices that comprise the Village's stormwater management program.

Public Education and Outreach

- Newsletter - The Village publishes a newsletter that is mailed to all residents approximately four times per year. Copies of the newsletters are also available on the Village website. 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 Service Announcement – The Village runs a cable television segment that explains what storm water runoff is, why storm runoff is a problem, and the effects of pollution.
- Website - The Village maintains a website with information about Village government, information about Village services, and upcoming events. This website also includes educational information about going green at home and numerous topics related to Best Management Practices (bmp's), as well as links to other websites.

Public Involvement and Participation

- The Village of New Lenox is an Agency Member of the Lower Des Plaines Watershed Group. The mission of the group is to improve local rivers and streams by identifying the biggest stressors to aquatic life. The group has developed a comprehensive monitoring program that includes water column and sediment chemistry, fish, macroinvertebrates, qualitative habitat evaluation, and winter chloride/conductivity monitoring. Additionally, the LDWG is providing a mechanism for NPDES dischargers to work together to develop a common Nutrient Assessment and Reduction Plan (NARP) for the Lower Des Plaines River Watershed.
- The Village provides various types of stormwater cleaning and maintenance equipment at various touch-a-truck events in the Village. When possible, tours are given at the wastewater treatment plants.

Illicit Discharge Detection and Elimination

- Village Code – The Village has an Illicit Discharge and Connection ordinance in place to provide for the health, safety, and general welfare of the citizens of New Lenox through the regulation of non-stormwater discharges to the storm drainage system to the maximum extent practicable as required by federal and state law. This article establishes methods for controlling the introduction of pollutants into the municipal separate storm sewer system (MS4) in order to comply with requirements of the national pollutant discharge elimination system (NPDES) permit process.
- **Chapter 38, Illicit Discharge and Connection, Article V.**

- Storm Sewer System Map – The Village has a GIS-based map of the entire storm sewer system, which is used to trace suspicious discharges to their source. This map is updated whenever the storm sewer system is modified by a Village project or by private development. The Village conducts dry weather screening of a minimum of 5 outfalls per year and is in the process of conducting an outfall inventory of the streams within the Village limits.
- Resident Reporting – Residents can report instances of pollution or suspected pollution by contacting the Village’s Public Works Department at (815) 215-4800 or use the Village’s website to report a concern via email.
- Detection – Village staff inspects the sewer system for evidence of illicit discharges while performing routine operation and maintenance activities. The Village provides Illicit Discharge Detection and Elimination Training to municipal staff and provides a written Tracing and Tracking Standard Operating Procedure.
- Source Removal – The Village’s response to illicit discharges depends on the source of the discharge. In most cases, property owners are notified of the need to eliminate an illicit discharge. In the case of emergency spills or incidents of hazardous material dumping, the local Fire Protection District would respond.

Construction Site Stormwater Runoff Control

- The Village has an ordinance in place that addresses the reduction of pollutants in stormwater runoff from regulated land disturbing activity. It states that appropriate erosion and sediment control practices must be utilized on all regulated development sites, and waste generated as a result of site development must be managed properly.
- **Chapter 38, Stormwater Runoff Control, Article III.**
- All construction sites that are required to file for coverage under the National Pollutant Discharge Elimination System (NPDES) [general or individual permit for stormwater discharges from construction site activities] shall have a Storm Water Pollution Prevention Plan (SWPPP) that meets the requirements of the current NPDES Permit No. ILR10, including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual (latest version). SWPPP plans are submitted, reviewed and approved as part the approval process for the development. The Village performs periodic inspection of construction sites to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction sites. Insufficient erosion and sediment control measures are addressed promptly.

Post-Construction Runoff Control

- The Village is conducting an inventory of commercial and industrial sites that have on-site detention basins with the goal of performing periodic inspections for proper maintenance and operation. For residential subdivisions, the Village currently has a maintenance program in place to provide annual detention pond inspection and maintenance.

Pollution Prevention/Good Housekeeping

- Employee Training – Public Works Department staff is trained on topics such as: material storage, hazardous wastes, illicit discharges, equipment cleaning, vehicle maintenance, street maintenance, and lawn and landscape care.
- Street Sweeping – The Village has a street sweeping program. Street sweepings are temporarily stored in bins at the Public Works facility until they are hauled away by a licensed waste hauler.

- Inspection and Maintenance – When weather permits, the Village has a vactor truck crew that cleans storm sewer piping and removes debris from manholes and catch basins. The goal is to clean a minimum of 2 subdivisions per year. Public Works tracks cubic yards of material hauled to waste sites.
- Material Storage – Flammable materials are contained in indoor fire-resistant cabinets. 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, rather than the storm sewer system.
- Landscaping – Pesticides and herbicides are only applied on Village property by trained and licensed applicators.

Reporting

- 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 Village submits a report to the IEPA documenting its status of compliance with the conditions of the General Permit.