

## Village of Glenview, Illinois

### Stormwater Management Plan

#### Introduction

The Village of Glenview has a General Permit from the Illinois Environmental Protection Agency (IEPA) for discharges from its municipal separate storm sewer system. 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 monthly newsletter that is mailed to all residents. 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.
- E-Newsletter – The Village sends a weekly e-newsletter to residents that subscribe. The e-newsletter occasionally includes articles related to stormwater management, similar to the Village's monthly newsletter.
- Website - The Village maintains a website with information about the Village government, information about Village services and upcoming events. This website also includes educational information for the public regarding stormwater pollution prevention, which is updated periodically. The website also includes several Village-produced "Ask the Village" videos on topics related to stormwater management.

#### Public Involvement and Participation

- Volunteer Work Days - Each year, the Village's Natural Resources Commission organizes work days that give the public the opportunity to reduce pollution and improve stormwater management. These volunteer work days typically involve: collecting trash, clearing brush, planting desirable native plants, and removing invasive plant species.
- Rain Garden Cost Share Program - The Village reimburses 50% of project costs up to \$1,000 for any rain garden that provides a drainage benefit and utilizes native plants. Rain gardens are typically constructed in areas that collect stormwater runoff. Deep rooted native plants and engineered soil mixtures promote infiltration and evapotranspiration of the stormwater.
- Rain Barrel Distribution - Residents can purchase a 55 gallon rain barrel from the Village and pick it up at the Public Works Facility. A rain barrel typically collects runoff from the roof of a building by connecting it to a downspout. This runoff can be stored in the barrel and used for irrigation during periods of dry weather.



### **Illicit Discharge Detection and Elimination**

- Village Code – Division 2, Section 82-67 of the Village Code prohibits the discharge of pollutants into public sewers and Article IV, Section 38-61 prohibits the deposition of offensive matter in watercourses.
- Resident Reporting – Residents can report instances of pollution or suspected pollution by contacting the Village’s Resolution Center at (847) 724-1700.
- Dry Weather Outfall Inspection – The Village inspects its storm sewer outfalls during dry weather periods at least once every five years. Each inspection documents any evidence of non-stormwater discharges from the outfall.
- 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.

### **Construction Site Stormwater Runoff Control**

- Cook County Watershed Management Ordinance – The Metropolitan Water Reclamation District of Greater Chicago enforces the Watershed Management Ordinance throughout Cook County. Article 4 of this Ordinance addresses the reduction in 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. Article 10 allows for the inspection of regulated development sites.
- Village Code – Articles XII and XIII of the Village Code and the Village’s Engineering Standards Manual act together as the regulatory mechanism used by the Village to require erosion and sediment controls on construction sites. The Village reviews proposed site plans prior to issuing permits for development. Ongoing projects are inspected regularly to ensure conformance with the approved site plan. Insufficient erosion and sediment control measures are addressed promptly.

### **Post-Construction Stormwater Management for New Development and Re-Development**

- Cook County Watershed Management Ordinance – The Metropolitan Water Reclamation District of Greater Chicago enforces the Watershed Management Ordinance throughout Cook County. Article 5 of this Ordinance addresses the volume and rate of runoff from regulated development sites. Article 9 requires a maintenance plan for the perpetual maintenance of stormwater management systems for regulated development.
- Village Code – The Village’s Engineering Standards Manual is used to address 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 regularly to ensure conformance with the approved site plan. All stormwater storage facilities constructed as part of a private development remain under private ownership and are maintained by the owner.

### **Stormwater Pollution Prevention for Municipal Operations**

- Employee Training – Village staff from the Public Works Department receives periodic training in stormwater pollution prevention practices for municipal operations. This training consists of a DVD with a written exam, a review of Village policies, and less formal on-the-job training.
- Street Sweeping – The Village sweeps all curbed streets at least seven times per year and the downtown streets are swept at least nine times per year. Street sweepings are temporarily stored in bins at the Public Works Facility until they are hauled away by a licensed waste hauler.
- Good Housekeeping – The pavement in the Village’s Public Works yard is swept regularly to prevent potential pollutants from being carried with runoff into the storm sewer system. In addition, filter baskets have been installed in all storm sewer inlets in the Public Works yard.
- Material Storage – Flammable materials are contained in indoor fire-resistant cabinets. Underground storage tanks are double-walled for containment and fuel is stored in containers with overflow alarms. Road salt is stored in a covered storage building. Other materials that are stored outdoors and which could be carried with runoff into the storm sewer system are covered by a tarp when not in use.
- Equipment Maintenance – Maintenance is 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.
- Equipment Cleaning – Large debris is knocked off the equipment in the Public Works yard prior to washing. This debris is promptly scraped from the pavement. Equipment is then washed in a location where smaller debris will be captured by an inlet filter basket or a catch basin.

### **Water Quality Monitoring**

- Wet Weather Sampling – The Village periodically collects wet weather samples at several locations throughout the Village. Samples are collected at major rivers, creeks, and outfalls throughout the Village and the samples are tested for a range of pollutants common in stormwater runoff.

### **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.