

Village of Palatine, Illinois
Stormwater Management Plan

Introduction

The Village of Palatine 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 and businesses. 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; and the hazards associated with illegal discharges and improper disposal of waste.
- 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 information for residents on stormwater quality, flooding, rain gardens and "green" buildings.
- Brochure – The Village makes the Comprehensive Flood Control Brochure available at Village Hall and the Combined Service Facility. The brochure addresses protection of wetlands and reservoirs and contains information regarding stormwater pollution prevention, protection of natural resources, and proper maintenance of facilities.

Public Involvement and Participation

- Resident Reporting – Residents can report instances of pollution or suspected pollution by contacting the Village's Public Works Department at (705) 705-5200.

Illicit Discharge Detection and Elimination

- Storm Sewer System Map – The Village maintains an updated map of the storm sewer system, which shows outfalls that discharge stormwater to ponds, lakes, and streams in the Village.
- Village Code of Ordinances – The Illicit Discharge and Connection Ordinance regulates the discharge of pollutants into the drainage system, prohibits illegal connections to the storm sewer system, and establishes the Village's legal authority to ensure compliance.
- Routine Inspection – Each year the Village inspects its storm sewer outfalls for evidence of illicit discharges. Suspicious discharges are traced to their source and appropriate steps are taken to remediate any illicit discharges.

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 of Ordinances – Appendix B of the Code of Ordinances is 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

- 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 of Ordinances – Appendix B of the Code of Ordinances 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.

Pollution Prevention/Good Housekeeping

- Employee Training – The Village Public Works Department conducts regular employee training, including new employee orientation. Training topics include steps Village staff can take to prevent stormwater pollution resulting from municipal operations.
- 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 Combined Service Facility until they are hauled away by a licensed waste hauler.
- Inspection and Maintenance – Stormwater detention facilities and catch basin are visually inspected on a regular basis. The storm sewer system is inspected periodically using a video camera. Maintenance is performed on the storm sewer system, as necessary.
- 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 and other municipal operations materials are stored under permanent cover.

- Fleet Maintenance and Cleaning – Maintenance and cleaning are performed inside the Combined Service 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.

Water Quality Monitoring

- Wet Weather Sampling –The Village is a member of the Buffalo Creek Clean Water Partnership. The Partnership regularly collects samples at various locations throughout the Buffalo Creek Watershed 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.