



City of Plano, Kendall County, Illinois

Stormwater Management Plan

Introduction

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

The City has reviewed the IEPA's website for information regarding approved or ongoing Total Maximum Daily Load (TMDL) limits on Lower Fox River watershed and the tributary streams which the MS4 is tributary to. There are currently no TMDLs approved or ongoing, therefore no changes to the existing Best Management Practices (BMPs) will be required to comply with a TMDL at this time.

The City has also reviewed the EPA's Environmental Justice mapper reports and has determined that there are no changes required to the program to tailor communications to residents. There are no demographics data showing large populations of linguistically isolated residents within the City. According to the mapper, the City does have populations of low income residents and this has been taken into account.

Public Education and Outreach

- City Website - The City maintains a website that provides residents of educational information and upcoming events. The website includes information regarding programs including brush and leaf pickups as well as prescription drug recycling, climate change and stormwater pollution. Specifically there are links to local conservation groups and promotions for rain barrel sales.

Public Involvement and Participation

- Kendall County Stormwater Management Planning Committee – The City provides a representative to attend the Kendall County Stormwater Management Planning Committee meetings when they occur. The City also continues to enforce their ordinances which models after the Kendall County-wide Ordinance. Additionally, the City continues to strive for stormwater projects by matching projects with available funding sources in the form of researching grants available through Kendall County and other entities.



- Fox River Study Group - The City participates in the Fox River Study Group. The study group is a diverse coalition of stakeholders that uses science to guide the region toward a cleaner, safer and more beautiful Fox River. The group uses research, data and collaboration to support sustainable policies and development across the Fox River watershed. The City of Plano is one of the Local Government agencies who participate and attend meetings regularly.
- HOA's - The City works with multiple Homeowners Association (HOA) regarding stormwater detention basin maintenance and cleanup. Together the City and HOAs perform annual inspections of the basins. HOAs have the basins cleaned by removing manmade waste which impedes the function of the basins and reduces water quality.

Illicit Discharge Detection and Elimination

- Storm Sewer System Map – The City has a digitized map of approximately 70% of the storm sewer system, which is used to trace discharges. City outfalls are numbered and the map is updated as needed. Complete mapping is expected to take place within the next few years.
- Resident Reporting – Residents can report instances of pollution or suspected pollution by contacting the City's online Request Tracker (<https://www.cityofplanoil.com/RequestTracker.aspx>) or at (630) 552-8275. Reported concerns are routed to the appropriate City department and then investigated.
- Detection – City staff and/or their consultant inspect the outfalls 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 by the City.
- Periodic Inspection – The City conducts periodic inspections, typically in dry weather conditions to detect illicit discharges. These inspections are performed by trained City staff members and/or consultants. In the case of emergency spills or incidents of hazardous material the situation is referred to the Fire Department for containment and cleanup.
- Program Evaluation– Input from the public is processed through the Report a Concern Request Tracker work order system. The policies of the City are evaluated and modified to maintain compliance and meet policy goals.



Construction and Post Construction Site Storm Water Runoff Control

- The Kendall County Stormwater Ordinance is applicable to Plano City. This Ordinance addresses the volume and rate of release of stormwater from regulated development sites.
- Kendall County Ordinance and City Code – The Stormwater Ordinance addresses construction and post-construction runoff from new development and re-development. The City reviews proposed site plans prior to issuing permits for development. Ongoing projects are inspected by the City to ensure conformance with the approved site plan.
- County Ordinance and City Code prohibits illicit discharges, requires erosion control measures on all sites, and requires construction sites above one acre to have a Stormwater Pollution Prevention Plan (SWPPP). The City reviews submittals and attends the pre-construction meeting to ensure that appropriate Best Management Practices (BMPs) are incorporated into plans.

Stormwater Pollution Prevention for City 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, lawn and landscape care, appropriate snow and ice salt treatments and other relevant topics. The goal is to generally train all new employees and conduct periodic training every annually. The City actively seeks out opportunities for training through the year and has hired a consultant firm to provide training to staff.
- Street Sweeping – The City completes street sweeping of all streets approximately once per month depending on the time of year and supplemental sweeping is conducted as needed. The City's sweeper removes and disposes of all collected debris appropriately.
- Catch Basin Vactoring – The City owns a vacuum truck and uses it to vactor catch basins periodically and schedules at least 50 to be cleaned each year (In 2021 the City completed 75 catch basin cleanings). Supplemental vactoring is conducted as needed based on visual inspection of the catch basins. The City removes and disposes of the vacuumed material.
- Inspection and Maintenance – Stormwater detention facilities and catch basins are visually inspected on a regular basis. The storm sewer system is inspected visually periodically and a video camera may be used in areas of concern. Maintenance is performed on the storm sewer system, as necessary. The City actively cleans storm sewer lines to remove debris, sediment and other potential pollutants. In a typical year, thousands of feet are cleaned (In 2021 the City cleaned 5,950 feet of the storm sewer network).



- Material Storage – Flammable materials (other than fuel) at City facilities are contained in indoors. Fuel is contained in a separate locked outside area. Road salt and other City 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 the sanitary sewer system.
- Landscaping – Minimal amounts of pesticides and herbicides are used by the City and are only applied on City property by trained applicators. .
- Waste Disposal – The City contracts with Groot directly to provide garbage disposal and recycling containers.
- Composting – The City owns and operates a wastewater treatment plant. The biosolids removed from the treated water are mixed with collected yard wastes and fall leaf collection materials to composted the collected yard waste. This is completed at the City’s wastewater treatment facility and prevents a significant volume of organic material from entering landfills. The compost is used on City properties

Good House Keeping

- Notice of Intent – The City has submitted a revised Notice of Intent to IEPA in 2021 to comply with the conditions of the General Permit. This Notice of Intent describes the practices the City intends to implement in order to meet the conditions of the General Permit.
- Annual Report – Each year HR Green, Inc. submits a report to the IEPA for the City documenting its status of compliance with the conditions of the General Permit.
- NPDES compliance documents are posted to the City’s website for a minimum of 5 years.