

# Stormwater Management Program Plan

## Village of Beecher MS4 Program

This Stormwater Management Program Plan (SMPP) has been developed to describe the activities the Village performs to minimize the impact of stormwater discharges on local water quality. Village department roles and responsibilities for performing the activities are provided, along with the management practices performed to meet the requirements of the Village's General NPDES Permit No. ILR40 (Permit) for stormwater discharges.

### Program Overview

The Permit requires the Village to develop, implement, and enforce a Municipal Separate Storm Sewer System Program (MS4 Program) designed to reduce the discharge of pollutants from the Village to the maximum extent practicable, protect water quality, and satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Federal Clean Water Act. Illinois EPA regulates the ILR40 permit in Illinois.

The Village has prepared the required Notice of Intent (NOI) to comply with the Permit, and has posted it to the Village's website for public review. The NOI contains the control measures and best management practices (BMP) the Village has committed to for MS4 program implementation. The Village's NOI is reviewed and updated approximately every five years.

### Program Implementation

The Village Administrator and Public Works Director manage and implement the MS4 Program for the Village. Six program elements, or control measures, are used to guide implementation of the program:

1. Public Education and Outreach
2. Public Participation/Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Runoff Control
6. Pollution Prevention/Good Housekeeping

Best Management Practice (BMP) commitments have been developed for each control measure as described below.

#### **1. Public Education and Outreach**

- The Village annually publishes stormwater educational articles in its newsletters to residents. Topics include education on the environmental impacts of stormwater discharge, how to reduce stormwater pollutants, and hazards of illegal discharges and improper waste disposal. The Village Administrator is responsible for ensuring stormwater articles are included in the Village newsletter each year.
- The Village keeps stormwater articles on its website to inform residents on how to reduce stormwater quality impacts. The Village Administrator is responsible for maintaining the website's content.

## **2. Public Participation/Involvement**

- The Village participates in and advertises an annual fall stream clean-up along Trim Creek. The Public Works Director organizes staff involvement and its public advertisement.
- Residents use the Village's general number and smartphone app to report stormwater related issues. The Village publishes the reporting number in its newsletters, where it encourage residents to report issues such as ordinance related issues, construction site soil-erosion issues, maintenance issues, and illicit discharges. The Village Administrator manages the reporting line for stormwater concerns.

## **3. Illicit Discharge Detection and Elimination**

- The Village maintains a digital storm sewer atlas of existing outfalls, receiving waters, and storm sewer pipes. The Village Administrator is responsible for keeping it up to date when new developments are constructed.
- The Village adopted the Illicit Discharge Detection and Elimination Ordinance that prohibits non-stormwater discharges into the Village's storm sewer system. The Ordinance is fully implemented by the Village and provides a means to penalize any violations. To monitor receiving water health, the Village tests Trim Creek twice a month for ammonia, BOD, total suspended solids, and pH. The Village Administrator facilitates ordinance enforcement and the monitoring program.
- The Village utilizes its illicit discharge tracing procedures by screening dry-weather outfalls, performing regular storm sewer maintenance, and by acting on public reporting. The Public Works Director is responsible for continuing regular program activity and tracing an illicit discharge.
- The Village disconnects any illicit discharges identified from the tracing program. The Public Works Director is responsible for implementing Village procedures to disconnect illicit discharges.
- The Village annually screens all outfalls for potential illicit discharges. It also screens storm sewer structures during routine maintenance. The Public Works Director is responsible for the screenings.

## **4. Construction Site Runoff Control**

- The Village controls construction site soil erosion and sediment through its Soil Erosion Control Ordinance, the Will County Stormwater Management Ordinance, and its Subdivision Control Ordinance. Any regulated construction site must contain a stormwater pollution prevention plan that meets or exceeds requirements of the ILR10 permit and Illinois Urban Manual, 2002. When site plans are reviewed by the Village, water quality is considered. The Village inspects construction sites to ensure soil erosion controls are met. The Village Administrator ensures the ordinances are enforced in the plan review process and also in the field.

## **5. Post-Construction Runoff Control**

- Stormwater management is regulated from new development and redevelopment projects through the Village's Subdivision Ordinance and by the Will County Stormwater Management

Ordinance. Sites are inspected during and after construction for compliance with the Village ordinances. The Village administrator is responsible for ordinance enforcement and site inspections.

## **6. Pollution Prevention/Good Housekeeping**

- The Village annually conducts employee training on prevention and reduction of storm water pollution from municipal activities. The program addresses activities such as park and open space maintenance, fleet and building maintenance, operation of storage yards, snow disposal, new construction and land disturbances, storm water system maintenance procedures for proper disposal of street cleaning debris and catch basin materials, and addresses ways that flood management projects impact water quality, nonpoint source pollution control, and aquatic habitats. This program also addresses the hazards associated with illegal discharges and improper disposal of waste. The Public Works Director is responsible for managing the training program.
- The Village conducts a regular inspection and maintenance program to reduce pollutant runoff from municipal operations. The program's effectiveness is biennially evaluated to determine effectiveness. Currently, the program includes: the sweeping of all Village streets each year, jetting storm sewers as needed and cleaning the associated catch basins, inspecting and cleaning catch basins after large storms, regrading ditches approximately every 10 years, and mowing and maintaining three dry bottom detention ponds. The Public Works Director is responsible for the program and biennial updates.
- The Village utilizes its formal Municipal Pollution and Prevention Program with policies designed to prevent storm water pollution associated with municipal operations. Road salt is stored in a salt dome for long-term storage. During the winter season, salt is also temporarily stored in a building with three permanent walls; the fourth side is covered by a tarp when the salt is not being loaded or unloaded. This building rests on an asphalt pad and the surrounding area is diked to prevent salt from running off the site. Flammable and hazardous chemicals are stored in fireproof metal cabinets. Chlorine gas used to disinfect drinking water is stored per Title 3 chemical safety standards. The Public Works Director is responsible for implementing the program and evaluating it annually for effectiveness.
- The Village transports used vehicle oil to a local service station for recycling. The Public Works Director is responsible for oil recycling.

### Program Oversight and Reporting

Each year, the Village Administrator and Public Works Department Director evaluate the effectiveness of the Village's MS4 program, including the program control measures, BMPs, and implementation activities. The results of the evaluation are provided in a report titled the "Annual Facility Inspection Report" which contains implementation progress and any program updates. Each year's report is submitted to Illinois EPA and posted on the Village's website for public review.

Surface water quality monitoring is performed by the Village twice per month. Monitoring data is available for review at Village Hall.

For questions or input on the Village's MS4 program, please contact the Village Administrators office.