

# Village of Algonquin

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
NPDES PERMIT FOR STORMWATER DISCHARGES  
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

## VILLAGE OF ALGONQUIN, ILLINOIS MS4 STORMWATER MANAGEMENT PROGRAM PLAN

The Village of Algonquin holds a General National Pollutant Discharge Elimination System (NPDES) Permit for stormwater discharges from its municipal separate storm sewer system (MS4 Permit). To protect local water quality, the MS4 Permit requires that the Village develop, implement, and enforce a stormwater management program designed to reduce the discharge of pollutants from its stormwater system to the maximum extent practicable.

Stormwater runoff from the Village flows through the Village to the Fox River. This Stormwater Management Program Plan, along with the Notice of Intent to comply with the MS4 permit and the annual MS4 program report, is designed to provide Illinois EPA and Village residents with a better understanding of the control measures managed and implemented to meet permit requirements and water quality goals.

### **Program Administration**

Village ordinances have been developed to provide the authority to implement MS4 Permit requirements. Village residents can provide input on this Plan and the overall MS4 program at Village Board meetings, as well as directly to the Public Works Department. An overview report of the MS4 program is provided annually.

The Village's Public Works Department is the lead for MS4 program implementation. The Village evaluates the effectiveness of program implementation activities annually and provides an annual MS4 program report by June 1 of each year. Annual reports are kept on the Village's website for a period of 5 years.

The MS4 Permit requires implementation of control measures and best management practices (BMP) in six programmatic areas:

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

The management practices and activities performed by the Village within each of the program areas are described below.

### **Public Education and Outreach**

**Newsletter** - The Village publishes a newsletter that is mailed to all residents. Copies of the newsletters are also available on the Village website. The spring newsletter always includes an article on a topic 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.

**Annual Calendar** - The Village publishes an annual calendar that is mailed to all residents. One month of the calendar always includes a topic 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.

**Website** - The Village maintains a website with information about the Village government, information about Village services and upcoming events. This website includes a Stormwater Management page with educational information for the public regarding stormwater pollution prevention.

### **Public Involvement/Participation**

**Resident Reporting** – Residents can report instances of pollution or suspected pollution by contacting the Village at 847-658-2754.

Stormwater management is a regular topic at Village Board meetings, and stormwater quality management is periodically discussed. The Village has completed numerous stream restoration water quality projects and natural area restorations. These are all presented to the Board for approval and are open to public comment. For our large restoration projects, public meetings are held with the surrounding residents prior to construction for the purpose of gathering their questions and concerns and including these items in the design plan. Project websites are set up for our larger restoration projects and residents can e-mail or submit service requests when they have questions on projects.

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

**Village Code** – Chapter 6 A.30 of the Village code prohibits sanitary sewage or industrial wastewater from being deposited in any water course in the Village. Chapter 11.08 of the Village Code protects our Natural Areas. All of our wetlands, naturalized detention basins and stream projects are designated as such and ordinance signage is installed around the perimeter of these areas. Chapter 12.10 of the Village Code regulates the discharge of pollutants into the stormwater system and prohibits illegal connections to the storm sewer system.

Routine Inspection – The Village inspects its drainage system for evidence of illicit discharges during the course of routine system maintenance.

Storm Sewer System Maps – The Village has GIS mapping showing the entire stormwater system in the Village and the location of all storm sewers outfalls. This is regularly updated through field inspections and as-built engineering drawings.

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

Kane County Stormwater Management Ordinance – The Village adopted the County’s Stormwater Management Ordinance and is certified to enforce the Ordinance within Village limits. The Village requires erosion and sediment control measures along with the control of construction material debris. All plans for construction are reviewed by the Village Engineer, the Village Wetland Specialist and the Village Ecologist prior to construction for compliance with the Ordinance. A Site Development Permit is required to begin construction and is issued by the Public Works Department after a pre-construction meeting is held.

Construction sites are inspected by the Village Engineering staff or Village hired consultants for erosion control and BMP compliance. Any issues or violations are addressed through re-inspection.

### **Post-Construction Stormwater Runoff Control**

Kane County Stormwater Management Ordinance – The Village adopted the County’s Stormwater Management Ordinance and is certified to enforce the Ordinance within Village limits. The Village requires long-term operation and maintenance of stormwater facilities in accordance with the Ordinance. The design of stormwater facilities are reviewed prior to construction and inspected during and after construction.

### **Pollution Prevention/Good Housekeeping**

Employee Training – Public Works Department staff receives periodic training in stormwater pollution prevention practices for municipal operations, as well as less formal on-the-job training.

Street sweeping and stormwater catch basin cleaning is performed each year to prevent pollutants from entering the storm drain system, including the pavement in the Public Works yard.

Above ground fuel tanks are double-walled for containment.

Road salt is stored in a covered storage building. The area around the salt dome drains to its own desalination basin before entering the Village’s storm sewer system.

Equipment maintenance and cleaning is performed inside the Public Works facility where all drains get collected in a triple trap. This is monitored by a sensor that reports to a panel in the fleet shop and gets emptied and properly disposed of when necessary.

**Contacts and Additional Information**

To report water quality issues within the Village, or for questions or additional information on this Plan or implementation of the MS4 Program, contact the Public Works Department at 847-658-2754 or submit a service request through the Algonquin Fix It app.