

# ILLINOIS ENVIRONMENTAL AGENCY

## ANNUAL REPORT

2024

### NPDES PERMIT FOR STORMWATER DISCHARGES FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

#### *Algonquin, Illinois*

#### **A. CHANGES TO BEST MANAGEMENT PRACTICES**

There are no changes to the BMP's for the six minimum control measures as submitted in the original NOI for Algonquin, Illinois as described in Part B of this Annual Report – Status of Compliance with Permit Conditions

#### **B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS**

Algonquin began the new five-year permit cycle in 2021 and is confident that the BMP's listed in the 2018 NOI and summarized below are the best choice to meet the requirements of the new NPDES Phase II Program to minimize nonpoint source pollution in Algonquin, Illinois. All BMP's have been implemented on schedule as described in Algonquin's 2021 NOI, with the exception of select items noted in their description below.

##### **1. PUBLIC EDUCATION & OUTREACH**

###### **a. BMP A.1 – Distributed Paper & Electronic Material**

Stormwater Pollution Article – Algonquin Citizen newsletter and e-newsletter

**GOAL:** To distribute to every household and business an educational article on stormwater runoff and pollution.

**Milestones:**

Years 1-5: Distribute the stormwater educational article through the Algonquin Citizen newsletter and the e-newsletter

**RESULTS:** We have again done this in 2024 resulting in 11,544 newsletters being sent that contain the article on stormwater pollution. We also sent 3,298 e-newsletters with the same educational information.

###### **b. BMP A.1 – Distributed Paper Material**

Calendar Annual Report

**GOAL:** The Village publishes a calendar each year that serves as its yearly annual report to all Village residents. Each year a month is dedicated to stormwater pollution, water quality, wetlands, etc.

**Milestones:**

Years 1-5: Continue to include article in the calendar.

**RESULTS:** The 2024 calendar includes one month that is dedicated to stormwater. This was distributed to 11,544 households.

## **2. PUBLIC PARTICIPATION/INVOLVEMENT**

### **a. BMP B.3 – Stakeholder Meeting**

Village Board Public Meetings

**GOAL:** The Village Board meets bi-monthly at the Village Hall to discuss Village Business. Many times the agenda involves stormwater management issues including water quality. Meetings are publicized in local newspapers and on the Village website and are open to the public for citizen comment.

**Milestones:**

Year 1-5: Continue to hold Village Board meeting twice per month.

**RESULTS:** Stormwater items in 2024 that went before the Board were Souwanas Trail Outfall Repair, Jelkes Creek Fox River Watershed Plan Update, Woods Creek Watershed Plan Update, Towne Park Slopes Native Restoration, Crystal Creek Emergency Erosion Repair, Dixie Creek Reach 5 Restoration, Wynnfield Drive Detention Naturalization, Algonquin Meadows Subdivision Green Infrastructure

## **3. ILLICIT DISCHARGE DETECTION & ELIMINATION**

### **a. BMP C.1 – Storm Sewer Map Preparation**

Storm Sewer Mapping

**GOAL:** The Village has its storm sewer system mapped in GIS listing the size and location of all Village storm sewers. We continue to update this annually as new structures are added, eliminated or changed.

**Milestones:**

Years 1-5: Continue to QCQA the storm sewer layer on GIS

**RESULTS:** The Village was able to complete 1,340 edits to the storm sewer data.

### **b. BMP C.3 – Detection/Elimination Prioritization Plan**

Illicit Discharge Detection

**GOAL:** To identify and stop illicit discharges of sanitary sewer during rain and high flow events. To correct these problems so sanitary sewage does not flow into surrounding streams,

water bodies and protected groundwater and natural areas. Also to identify any illicit connections of sanitary sewer into the storm sewer system.

**Milestones:**

Years 1-5: Continue to inspect and prohibit any illegal discharges and implement findings in the study.

**RESULTS:** Due to budgeting constraints the Village did not perform any work this year.

**c. BMP C.10 – Other Illicit Discharge Controls**

Storm Drain Information Educational Outreach

**GOAL:** Use new storm sewer structures with cast in place logo that states “Do Not Dump – Drains to River” on all new developments and PW projects.

**Milestones:**

Years 1-5: Use new storm sewer structure on all new developments and projects.

**RESULTS:** The new structure was used in public works reconstruction projects development projects resulting in a total of 195 structures.

**4. CONSTRUCTION SITE RUNOFF CONTROL**

**a. BMP D.1 – Regulatory Control Program**

Kane County Stormwater Management Ordinance

**GOAL:** In 2002 the Village of Algonquin adopted the Kane County Stormwater Management Ordinance. This ordinance regulates construction site and post development stormwater runoff. The Village enforces this ordinance throughout the entire community and we are a certified community under the provisions of the ordinance. The Kane County Ordinance addresses all requirements of the construction site runoff control measures.

**Milestones:**

Years 1-5: Implement the Kane County Stormwater Ordinance Village wide.

**RESULTS:** The ordinance has been used in the engineering design and planning of all private developments and all public works projects this year.

**5. POST-CONSTRUCTION RUNOFF CONTROL**

**a. BMP E.2 – Regulatory Control Program**

Kane County Stormwater Management Ordinance

**GOAL:** In 2002 the Village of Algonquin adopted the Kane County Stormwater Management Ordinance. This ordinance regulates construction site and post development stormwater runoff. The Village enforces this ordinance throughout the entire community and we are a certified community under the provisions of the ordinance. The Kane County Ordinance addresses all requirements of the construction site runoff control measures.

**Milestones:**

Years 1-5: Implement the Kane County Stormwater Ordinance Village wide.

**RESULTS:** The ordinance has been used in our monthly and weekly soil erosion and sediment control inspections and has been used to enforce violations and shut down construction sites for non-compliance.

## **6. POLLUTION PREVENTION/GOOD HOUSEKEEPING**

### **a. BMP F.1 – Employee Training Program**

Workshops and Employee Education

**GOAL:** To educate public works employees on stormwater runoff, water quality, wetland and riparian areas, maintenance of these areas and how this ties into NPDES Phase II.

**Milestones:**

Years 1-5: Attend training workshop that address the issues above.

**RESULTS:** The Streets Department in public works sent 5 employees to the Sensible Salting Workshop held by the McHenry County Highway Dept.

### **b. BMP F.2 – Inspection & Maintenance Program**

Cleaning & Inspection of Storm Structures

**GOAL:** To visually inspect and clean storm sewer structures and outfalls that are owned by the Village. This includes removing floatables and sediment from Stormceptor structures, removal of leaves and other debris from manholes and other catch basins and clearing outfalls of debris and sediment.

**Milestones:**

Years 1-5: Continue annual program to inspect and clean storm structures.

**RESULTS:** In 2024 the Village cleaned 5 Stormceptor Structures removing 7.65 Yards of debris and 660 storm structures removing 50 yards of dirt, silt and garbage.

### **c. BMP F.2 – Inspection & Maintenance Program**

Street Sweeping

**GOAL:** To minimize pollutant export from municipal owned parking lots and streets.

**Milestones:**

Years 1-5: Sweep streets and parking lots once per month during non-winter months.

**RESULTS:** Streets and parking lots were swept once per month during non-winter months.

**d. BMP F.3 – Municipal Operations Stormwater Control****Road Salt Application and Storage**

**GOAL:** Salt is stored indoors throughout the year to minimize concentrated salt washoff into the MS4. Each year, the Village of Algonquin calibrates the salt dispensing rate of each snow plow truck. Each snow plow driver is given yearly training on snow plow operations which includes salt rates and dispensing. We currently dispense an average of 300 pound per lane mile.

**Milestones:**

Years 1-5: Calibrate trucks and attend yearly training.

**RESULTS:** The Village of Algonquin carried out the road salt application and storage activities as stated.