

**Village of Spring Grove**  
**NPDES Phase II – Year 16 (March 2018-March 2019) Annual Report Summary**

**Table of Contents**

**Part A. Changes to Best Management Practices..... A-1**

**Part B. Status of Compliance with Permit Conditions ..... B-1**

**Part C. Information and Data Collection Results ..... C-1**

**Part D. Summary of Proposed Year 17 Stormwater Activities ..... D-1**

**Part E. Notice of Qualifying Local Program ..... E-1**

**Part F. Construction Projects Conducted During Year 16.....F-1**

## **Part A. Changes to Best Management Practices**

There were no changes in Year 16 to the Best Management Practices (BMPs) that were outlined in the current NOI.

The Village has reviewed the Illinois Environmental Protection Agency's (IEPA) website for information regarding approved or ongoing Total Maximum Daily Load (TMDL) limits on streams within the Municipal Separate Storm Sewer System (MS4) service area. According to the 303 (d) Listed Water Maps, one impaired waterbody is within the Village of Spring Grove limits. The waterbody is Nippersink Creek (Waterbody ID: DTK-04) and although it is impaired, there are no ongoing or approved Total Maximum Daily Load (TMDL) limits for this stream. Therefore, no changes to the existing BMP's will be required to comply with a TMDL at this time.

## Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in Year 16 are described below.

### 1. Public Education and Outreach

#### A.1 Distributed Paper Material

**Measurable Goals:** Prepare at least one (1) article pertaining in the newsletter and/or on the website annually. This article may include information relating to the impacts of climate change on precipitation and stormwater pollution. Post the Annual Update to the website.

**Status:** An article has been posted to the website titled “Be SepticSmart!” which provides information on the importance of maintaining septic systems for water quality. The Village posts the Annual Updates and informative brochures on their website and will continue to do so annually.

The Village has researched the existence of EJ areas within the MS4 using the <https://ejscreen.epa.gov/mapper/> tool and has determined that there are no EJ areas within the MS4.

#### A.6 Other Public Education

**Measurable Goals:** Village will continue to provide/update, on an annual basis, educational information related to the NPDES Phase 2 program for the public’s benefit on the Village’s website.

**Status:** The Village has provided educational information concerning the NPDES Phase II program for the public on the Village’s website under the Community tab. The Village has posted an article prepared by Steve Bicking, entitled “An overview of NPDES Phase 2” onto the Village’s website. The Village also has relevant storm water brochures on their website, including “After the Storm- A Citizen’s Guide to Understanding Stormwater”, “Make Your Home the Solution to Stormwater Pollution!”, and “Protecting Water Quality from Urban Runoff,” which explains how urbanized areas affect water quality and what homeowners can do to manage urban runoff. Another brochure that has been added to the website is titled “Be SepticSmart!” which provides information on the importance of maintaining septic systems for water quality.

The link to the website page can be found below:

<http://www.springgrovevillage.com/general-information/stormwater>

### Public Education and Outreach Evaluation

The newsletters are community-wide and a majority of residents read them; this is suggested by the high responsiveness to information included in the newsletter, such as purchasing parking stickers, etc. Therefore, posting stormwater articles in the newsletter is a very good method to reach out to residents about stormwater information.

## 2. Public Participation/Involvement

### B.3 Stakeholder Meeting

Measurable Goals: Identify a local watershed group and participate in a meeting or offer to host a meeting at a Village facility.

Status: The Village has identified the Nippersink Watershed Association as a watershed group of interest and will attend a meeting or offer to host a meeting this year.

### B.4 Public Hearing

Measurable Goals: The Village will continue to present an ongoing program summary at an annual public meeting or a selected Village Board meeting.

Status: The Village has presented a summary of the ongoing NPDES Phase II program implementation at a Village Board meeting on October 2<sup>nd</sup>, 2018. At the Village Board Meeting, Engineer Bicking provided an overview of the NPDES Phase 2 program and discussed the Village's Year 16 NPDES Annual Report on its proposed stormwater management plan. At the meeting, it was mentioned that the Village's permit and brochures regarding storm water management can be found on the Village website.

### Public Participation/Involvement Evaluation

The public participation and involvement has been effective. A summary of the ongoing NPDES Phase II program is discussed annually at a Village Board meeting and the public seems interested when information regarding NPDES and stormwater are discussed. The Village is also planning to attend a meeting for the Nippersink Watershed Association.

## 3. Illicit Discharge Detection and Elimination

### C.1 Storm Sewer Map Preparation

Measurable Goals: Maintain/update the storm sewer outfall map.

Status: The Village has consolidated the Village's atlas system into a single Outfall Map and will maintain/update the map, as needed.

### C.2 Regulatory Control Program

Measurable Goals: Enforce the Illicit Discharge Detection and Elimination (IDDE) ordinance that was adopted by the Village in 2007.

Status: The Village has maintained and will update the IDDE Ordinance, as needed. In the past year the Village has not had any instances where enforcement of the IDDE Ordinance was required.

### C.3 Detection/Elimination Prioritization Plan

Measurable Goals: Implement the Detection/Elimination Prioritization Plan to determine inspection frequencies and update/modify, as needed.

Status: The Village will continue to implement the Detection/Elimination Prioritization Plan to determine inspection frequencies. Outfall visits are completed annually. Outfalls in commercial and industrial areas are prioritized and visited annually.

#### **C.4 Illicit Discharge Tracing Procedures**

Measurable Goals: Implement Tracing Procedures developed in Year 5 and update/modify as necessary.

Status: The Village will continue to implement the Tracing Procedures and will continue to update/modify the Procedures, as needed. No illicit discharges were found in Year 16.

#### **C.5 Illicit Source Removal Procedures**

Measurable Goals: The Village will continue to implement the Source Removal Procedures outlined in the IDDE Ordinance, which was adopted in 2007 and update/modify as necessary.

Status: The Village has been and will continue to implement the Removal Procedures, which are outlined in the IDDE Ordinance, if they are required. No illicit discharges were found in Year 16.

#### **C.7 Visual Dry Weather Screening**

Measurable Goals: The Village will continue to inspect outfalls per the prioritization schedule.

Status: The Village will continue inspecting outfalls per the prioritization schedule. Outfall inspections take place in the Village's commercial and industrial areas as well as various residential locations annually. Outfall inspections are on file at the Village.

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

The Village has been keeping up with their outfall inspections per the prioritization schedule. Commercial and industrial outfalls are inspected annually. No illicit discharges have been found in Year 15.

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

#### **D.1 & D.2 Development Ordinances / Erosion and Sediment Control BMPs**

Measurable Goals: The Village will continue to enforce the McHenry County Stormwater Management Ordinance (SMO) (part of the Village Ordinance), participate in SMO revision processes, and adopt amendments. The SMO provides significant protections for natural stormwater resources, floodplains, wetlands, and erosion and sediment control.

Status: The Village will continue enforcing the SMO, participating in SMO revision processes, and adopting amendments. The latest revision to the SMO was in 2016, and there have been no revisions since.

#### **D.3 Other Waste Control Program**

Measurable Goals: Maintain/update the IDDE ordinance as required by IEPA. Enforce the SMO, participate in the SMO revision process, and adopt amendments.

Status: The Village will continue to maintain/update the IDDE Ordinance, as required by the EPA. The Village will also continue enforcing the SMO, participating in SMO revision processes, and adopting amendments.

#### **D.4 Site Plan Review Procedures**

**Measurable Goals:** The Village will continue to follow current Site Plan Review Procedures, as specified in the SMO, for the orderly review and inspection of development activities.

**Status:** The Village will continue enforcing the SMO, participating in SMO revision processes, and adopting amendments. The Village reviews construction plans to ensure that appropriate procedures are included.

#### **D.5 Public Information Handling Procedures**

**Measurable Goals:** Implement Public Information Handling Procedures and update/modify as necessary.

**Status:** The Village has a process for addressing comments that are brought to its attention. The process has been in place at the Village and was formally implemented and documented by the Village during Year 5 of the permit. The Village will continue implementing the procedures and make modifications, as needed.

#### **D.6 Site Inspection / Enforcement Procedures**

**Measurable Goals:** The Village will continue to follow inspection of development activity procedures written in the SMO.

**Status:** The Village will continue to follow inspection of development activity procedures, as written in the SMO. Inspection procedures, as prescribed by the SMO, are currently being followed by the Village for the orderly inspection of development activities. The Village uses the services of HR Green to conduct periodic site inspections of all development sites for the enforcement of soil erosion and sediment control plans.

#### **Construction Site Runoff Control Evaluation**

The Village has been successful in enforcing the SMO up-to-date. The Village utilizes the services of HR Green to review stormwater management permits and to conduct periodic site inspections of all development sites for the enforcement of soil erosion and sediment control plans.

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

#### **E.2 Post-Construction Regulatory Control Program**

**Measurable Goals:** The Village will continue enforcing the SMO, participating in SMO revision processes, and adopting amendments

**Status:** The Village will continue enforcing the SMO, participating in SMO revision processes, and adopting amendments. The SMO provides significant protections for natural stormwater resources. The latest revision to the SMO was in 2016, and there have been no revisions since.

#### **E.3 Long Term O&M Procedures**

**Measurable Goals:** The Village will continue to require Homeowners Associations and Dormant SSAs to ensure ongoing maintenance of stormwater infrastructure. The Village will also continue to enforce the SMO, participate in SMO revision processes, and adopt amendments.

**Status:** The Village will continue requiring the creation of Homeowners Associations to maintain stormwater infrastructure associated with new developments. The Village

also has required the creation of a dormant Special Service Area (SSA) which will enable the Village to take over maintenance of the stormwater facilities, at the expense of the members of the Association, should the Association disband or fail to fulfill its maintenance requirements. The Village has continued enforcing the SMO, participating in SMO revision processes, and adopting amendments.

#### **E.4 Pre-Construction Review of BMP Designs**

**Measurable Goals:** The Village staff and/or their engineer will review development plans, including proposed temporary and permanent best management practices, prior to issuing a construction permit.

**Status:** The Village staff and/or their engineer will continue to review proposed best management practices prior to issuing a construction permit.

#### **E.5 Site Inspections During Construction**

**Measurable Goals:** The Village will continue to follow inspection of development activity procedures, as outlined in the SMO.

**Status:** The Village will continue to follow inspection of development activity procedures, as outlined in the SMO. Inspection procedures, as prescribed by the SMO, are currently being followed by the Village for the orderly inspection of development activities. The Village uses the services of HR Green to conduct periodic site inspections of all development sites.

#### **Post-Construction Site Runoff Control Evaluation**

The Village has been successful in enforcing the SMO up-to-date.

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

#### **F.1 Employee Training Program**

**Measurable Goals:** The Village will continue to train employees in relevant public works positions to use and implement stormwater BMPs.

**Status:** In the past year multiple Public Works employees attended training on *Snow and Ice Control Best Management Practices for Parking Lots, Sidewalks, Driveways, and Roadways* which instructs employees on proper use of ice melting substances. This training is given annually in-house to key staff members.

#### **F.2-F.4 Municipal Properties Operation and Maintenance Program**

**Measurable Goals:** The Village will continue to implement procedures outlined in the Operation and Maintenance Program and review and revise the program on an annual basis.

**Status:** The Village will continue to implement procedures outlined in the Operation and Maintenance Program and will continue to review and revise this program on an annual basis. Also as part of the contract with Groot, residents can call to set up a special pick-up for electronic waste at no additional charge; the collected electronics are recycled. The Village has also organized a year round holiday light recycling program where residents can drop off holiday lights to be recycled for free.

#### **F.5 Flood Management/Assess Guidelines**

**Measurable Goals:** The Village staff and/or their engineer will continue to review and enforce the SMO requirements for developments in or near existing floodplains.

**Status:** The Village's Ordinance (SMO) contains language restricting development in recognized floodplains. The Ordinances also require developments to provide stormwater detention to reduce and prevent flood damages. As part of the development review process, the Village and/or their engineering consultant review hydrologic and hydraulic documentation for both the existing and proposed conditions in or near floodplains. The Village participates in the National Flood Insurance Program (NFIP). The Village and/or their engineering consultant review the Federal Flood Insurance Rate Maps (FIRM) for proposed development. Any revisions to the FIRM require the developer to obtain a Letter of Map Revision (LOMR) or Amendment (LOMA). The Village staff and/or their engineer will continue to review and enforce the SMO requirements for developments in or near existing floodplains.

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

The Village has been successful at achieving their goals for good housekeeping. The Village trains relevant employees on best management practices for snow and ice control and has been implementing efficient salt usage, as learned at the training. The Village is also keeping up with their Operation and Maintenance Program.



## **Part C. Information and Data Collection Results**

The protocol established in the permit was followed; no illicit discharges were observed and no illicit discharges were tested.

## Part D. Summary of Proposed Year 17 Stormwater Activities

Below are listed the various BMPs which have milestones to be completed in Year 17, as outlined in the NOI as part of the current NPDES permit that expires on February 28, 2021. The specific milestone to be completed for each BMP is shown.

- A.1 – Prepare at least one (1) article pertaining to stormwater in the newsletter and/or on the website annually. This article may include information relating to the impacts of climate change on precipitation and stormwater pollution. Post the Annual Update to the website.
- A.6 – Continue to provide/update, on an annual basis, educational information related to the NPDES Phase 2 program for the public's benefit on the Village's website.
- B.3 – Identify a local watershed group and participate in a meeting or offer to host a meeting at a Village facility.
- B.4 – Present ongoing NPDES Phase II program at least once annually at a public meeting or a selected Village Board meeting.
- C.1 – Maintain/update the stormsewer outfall map.
- C.2 – Continue to enforce the Illicit Discharge Detection and Elimination (IDDE) Ordinance.
- C.3 – Implement the Prioritization Plan and update/modify, as needed.
- C.4 – Continue to implement the Illicit Discharge Tracing Procedures and update/modify, as needed.
- C.5 – Continue to implement the Illicit Source Removal Procedures.
- C.7 – Inspect Outfalls per the Prioritization Schedule.
- D.1&D.2 – Enforce the SMO, participate in the SMO revision process, and adopt any amendments.
- D.3 – Maintain/update the IDDE Ordinance and enforce the SMO, participate in the SMO revision process, and adopt any amendments.
- D.4 – Continue to follow the review of development activity procedures, as written in the SMO.
- D.5 – Continue to implement the Public Information Comment Handling Procedures and update/modify, as needed.
- D.6 – Continue to follow inspection of development activity procedures, as written in the SMO.
- E.2 – Enforce the SMO, participate in the SMO revision process, and adopt amendments.
- E.3 – Continue to require Homeowners Associations and Dormant SSAs to ensure ongoing maintenance of stormwater infrastructure, and continue to enforce the SMO, participate in SMO revision processes, and adopt amendments.
- E.4 – Continue to review proposed best management practices prior to construction.
- E.5 – Continue to follow inspection of development activity procedures, as outlined in the SMO.
- F.1 – Continue to train employees in relevant Public Works positions to use and implement stormwater BMPs.
- F.2-F.4 – Continue to implement procedures outlined in the Operation and Maintenance Program; continue to review and revise the program on an annual basis.
- F.5 – Continue to review and enforce the SMO requirements for developments in or near existing floodplains.

## **Part E. Notice of Qualifying Local Program**

There are currently no Qualifying Local Programs that the Village wishes to rely on to meet the NPDES Phase II requirements.

## **Part F: Construction Projects Conducted During Year 16**

There were no construction projects initiated by the Village that disturbed more than one acre of land during Year 16.