



# Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

### for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

*This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.*

Report Period: From March, 2016 To March, 2017

Permit No. ILR40

#### MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of Spring Grove Mailing Address 1: 7401 Meyer Rd  
Mailing Address 2: \_\_\_\_\_ County: McHenry  
City: Spring Grove State: IL Zip: 60081 Telephone: 815-675-2121  
Contact Person: Stephen Bicking (HR Green) Email Address: sbicking@hrgreen.com  
(Person responsible for Annual Report)

#### Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Village of Spring Grove

#### THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach             | <input type="checkbox"/> | 4. Construction Site Runoff Control       | <input type="checkbox"/> |
| 2. Public Participation/Involvement          | <input type="checkbox"/> | 5. Post-Construction Runoff Control       | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle ( including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

Owner Signature:

Stephen Bicking, P.E., D.WRE, CFM

Printed Name:

5/26/17

Date:

Village Engineer

Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION #19  
1021 NORTH GRAND AVENUE EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

**Village of Spring Grove**  
**NPDES Phase II – Year 14 (March 2016-March 2017) 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 15 Stormwater Activities .....D-1**

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

**Part F. Construction Projects Conducted During Year 14 ..... F-1**

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

There were no changes in Year 14 to the Best Management Practices (BMPs) that were outlined in the NOI permit for Years 11-15.

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.

The Village has reviewed Part V. Monitoring, Recordkeeping and Reporting of the General NPDES Permit ILR 40 and has begun an evaluation of BMPs based on the estimated effectiveness from published research. The Village will begin monitoring the pollutant reduction from the ongoing street sweeping program.

## Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in Year 14 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: The Village has prepared an article pertaining to stormwater and it will be included in an upcoming weekly eNews newsletter. The Village posts the Annual Updates 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.

The Village has posted a link to NASA's Climate Change page on the Village website under the Stormwater Tab:  
<https://climate.nasa.gov/evidence/>

#### 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" and "Make Your Home the Solution to Stormwater Pollution!" The link to the website page can be found below:  
<http://www.springgrovevillage.com/general-information/stormwater>

### Public Education and Outreach Evaluation

Overall, the public education and outreach has been very effective. Residents have shown interest in the stormwater brochures and articles. The newsletters are city-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 will present a summary of the ongoing NPDES Phase II program implementation at a Village Board meeting on June 6<sup>th</sup> 2017.

#### **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. No new outfalls have been constructed in the last year.

#### **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 in June/July. 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 14.

#### **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 inspect the Removal Procedures, which are outlined in the IDDE Ordinance. No illicit discharges were found in Year 14.

### **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 every June/July.

### **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 in June/July. No illicit discharges have been found in Year 14.

## **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 Village adopted the recently revised McHenry County SMO effective April of 2016.

### **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. The Village's website advertises a recycling program for old paint and oil which provides residents with an environmentally friendly way to dispose of these potentially hazardous wastes.

### **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 has created inspection reports to assist with the enforcement procedures. The inspection procedures include information on how notices of erosion control failures reported by the public will be directed to inspectors and Village staff for action. 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. There has been no construction in the Village within the last year.

## **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 Village adopted the recently revised McHenry County SMO in April of 2016.

### **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. The Village adopted the recently revised McHenry County SMO effective April of 2016.

### **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 construction.

### **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 has created inspection reports to assist with the enforcement procedures.

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

The Village has been successful in enforcing the SMO up-to-date. There has been no construction in the Village within the last year.

## **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. The Village has a permanent structure for salt storage. The Village ensures they use salt in an efficient manner and storage facilities are inspected annually. Maintenance and cleaning are performed inside the Public Works facility where floor drains are connected to triple basins and the sanitary sewer system. All areas with curb and gutter with structures are being cleaned and inspected this year and inspection sheets are filled out for each structure. Approximately 200 structures have been inspected so far. Street sweeping is completed every year and frequency has increased. Also as part of the contract with Groot, residents can call to set up a special Monday pick-up for electronic waste at no additional charge; the collected electronics are recycled.

### **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. In particular, they have been effective at cleaning out and inspecting over 200 stormwater structures so far and will continue to do so throughout the year.

## **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 15 Stormwater Activities**

Below are listed the various BMPs which have milestones to be completed in Year 15, 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 14**

There were no construction projects initiated by the Village that disturbed more than one acre of land during Year 14.

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