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June 1, 2023

Ms. Terri LeMasters  
Illinois Environmental Protection Agency, DWPC  
Compliance Assurance Section #19  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

RE: Village of Spring Grove, NPDES Phase II Permit Compliance (2022/2023) and Notice of Intent  
IEPA Permit No. ILR40-0520  
HR Green Job No. 230070

Dear Ms. LeMasters:

Please find enclosed the NPDES Phase II – Year 20 (2022/2023) Annual Report. As the representative of the Village, HR Green, Inc. coordinated with the Village in the completion of the Annual Report for continued coverage under the General Permit issued by the Illinois Environmental Protection Agency (IEPA).

If you have any questions, please contact me at 815-759-8306 or at [sbicking@hrgreen.com](mailto:sbicking@hrgreen.com)

Sincerely,

**HR GREEN, INC.**

A handwritten signature in black ink, appearing to read 'Stephen R. Bicking'.

Stephen R. Bicking, P.E., D.WRE, CFM  
Senior Engineer

jg/LG

Enclosed: NPDES Annual Update 2022/2023

cc: President Mark Eisenberg, Village of Spring Grove  
Ms. Sandi Rusher, Village of Spring Grove  
Mr. Tom Sanders, Village of Spring Grove



# 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

Acrobat Reader 8.0 or above installed to use the f

### 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, 2022 To March, 2023

Permit No. ILR40 0520

#### 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:

5/30/23

Date:

Village Engineer

Title:

EMAIL COMPLETED FORM TO:

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 20 (March 2022-March 2023) Annual Report Summary**  
**IEPA Permit No. ILR40-0520**

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## Part A. Changes to Best Management Practices

There are no proposed changes for Year 20 (2022/2023) that were outlined in the NOI renewal submitted for 2021.

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 IEPA also requires that all impaired waters within a 3-mile buffer of the Village be included in the list of receiving waters. The following waterbodies are located within a 3-mile buffer of the Village: Fox River (DT-23), Grass Lake (RTQ), Nippersink Lake (RTUA), Pistakee Lake (RTU), Turner Lake (VTZA), Leisure Lake (STG) and Dunns Lake (VTH). A TMDL was approved on August 6, 2020 for the Upper Fox River/Chain O' Lakes. The TMDL in general has targets for Total Phosphorus and Fecal Coliform. The Village does not use phosphorus containing fertilizers, per the Illinois Compiled Statutes 415 ILCS 65; for-hire lawn care companies are not allowed to apply phosphorus containing fertilizers without a soils test showing the soil is deficient in phosphorus and the Village does not use any phosphorus containing road salts. Overall, the Village does not contribute to the downstream TMDLs. The Village will continue to enforce the McHenry County Stormwater Management Ordinance (SMO) and Village's Illicit Discharge Detection and Elimination (IDDE) Ordinance to comply with the TMDLs.

Additionally, the Village has reviewed available data for the existence of Environmental Justice areas within the Village's boundaries. Based on the Environmental Justice Screening report there is 6% low income, 0% linguistically isolated below the state average, therefore, no modifications are required for education or public outreach

## Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in 2022/2023 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 of Spring Grove has a section on their website dedicated to providing information about the NPDES. Current and previous NPDES permits are available to view from their website. Several articles and links are also included on their website containing information on protecting water quality, understanding stormwater, preventing stormwater pollution, etc. A link to the EPA's Climate Change page provides information on the facts of global climate change and its effects. The Village posts the Annual Updates and informative brochures on their website and will continue to do so annually.

The Village also sends out a weekly newsletter. In the past year, there have been articles in the newsletter pertaining to uses of leftover paint, recycling of batteries, tires, Christmas lights, plastics and Styrofoam.

#### 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!". The website also provides links to The Center for Watershed Protection website, the Friends of the Fox River website, McHenry County Stormwater website, and the EPA's climate change website.

#### 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.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 presented a summary of the ongoing NPDES Phase II program implementation at the June 21, 2022, Village Board this year.

#### **Public Participation/Involvement Evaluation**

The public participation and involvement has been effective. A summary of the ongoing NPDES Phase II program will be discussed at a Village Board meeting in 2023/2024. Past involvement in board meetings has shown that the public seems interested when information regarding NPDES and stormwater are discussed.

### **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: Maintain and update 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 2022/2023.

#### **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 2022/2023.

#### **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. This past year 13 outfall inspections were completed. In 2023/2024, 30% of residential outfalls and all industrial outfalls are scheduled to be inspected. Previous inspections have not resulted in the identification of any illicit discharges.

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

The Village has doing its best to keep up with their outfall inspections per the prioritization schedule, outfall investigations are scheduled for the summer of 2023. Commercial and industrial outfalls are typically inspected annually. No illicit discharges have been found.

### **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 2020, 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 section on their website called “Resident Feedback Form”, which allows residents to submit comments to the Village. The website also contains the proper contact information for Village officials. 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 2020, 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.

#### **E.6 Post-Construction Site Runoff Control Evaluation**

Measurable Goals: 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. Enforce the SMO, participate in SMO revision process, and adopt amendments.

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

## **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: HR Green provided a training on 8/2/2022 and four employees attended. The Village intends on scheduling additional trainings for 2023 / 2024. Additionally, the Village of Spring Grove maintains a portion of their website dedicated to proper Snow and Ice control procedures. Continued training is scheduled for 2023/2024 for Pollution Prevention and Good Housekeeping measures.

#### **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 Flood Brothers, 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. Over the past several years, other recycling programs were advertised by the Village

in their weekly newsletter, including programs for batteries and florescent lightbulbs, tires, and plastics.

**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 21 (2023/2024) Stormwater Activities

Below are listed the various BMPs which have milestones to be completed in Year 21 (2023/2024), as outlined in the NOI renewal submitted for 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.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 storm sewer 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 20**

There were no construction projects initiated by the Village that disturbed more than one acre of land during 2022/2023.