



# 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, 2014 To March, 2015

Permit No. ILR40 0648

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

Name: Village of South Barrington Mailing Address 1: 30 South Barrington Road

Mailing Address 2: \_\_\_\_\_ County: Cook

City: South Barrington State: IL Zip: 60010 Telephone: (847) 381-7510

Contact Person: Natalie Karney Email Address: nkarney@southbarrington.org  
(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 South Barrington

#### 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))**

Natalie P. Karney  
Owner Signature:

5/20/15  
Date:

Natalie Karney, P.E.

Village Engineer

Printed Name:

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

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

MARCH 2014 TO FEBRUARY 2015 REPORTING PERIOD (YEAR 12)

VILLAGE OF SOUTH BARRINGTON, ILLINOIS

**A. CHANGES TO BEST MANAGEMENT PRACTICES**

There have been no changes to the Best Management Practices (BMPs) from the Village's Notice of Intent (NOI) for the reporting period from March 2014 to February 2015.

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

The Village committed to a number of stormwater BMPs in order to meet the requirements of the NPDES Phase II stormwater program. The following is a status report on each of the BMPs and the activities that were undertaken during the March 2014 to February 2015 reporting period. The status or progress for each of the measurable goals related to these BMPs is presented below.

### **BMP No. A1 Distributed Paper Material**

**Measurable Goal(s), including frequencies:** Distribute stormwater pollution prevention brochures to Homeowner Associations. Document the number of Homeowner Associations that received the brochures each year.

**Milestones: Year 12:** Distribute stormwater pollution prevention brochures to Homeowner Associations.

**BMP Status:** The Village completed development of new educational materials for distribution to Homeowners Associations in Year 13.

### **BMP No. A6 Other Public Education**

**Measurable Goal(s), including frequencies:** Post links to stormwater pollution prevention resources on the Village web site.

**Milestones: Year 12:** Update the links to stormwater pollution prevention resources on the Village web site.

**BMP Status:** The Village maintains a web site with links to stormwater pollution prevention resources. The Village has prepared a quarterly listing of Stormwater Pollution Solutions pertaining to each season of the year, which focuses on educating residents about the impacts of stormwater discharges on water bodies and the steps a resident can take to reduce pollutants in stormwater runoff. The resources also educate residents about green infrastructure strategies such as rain gardens.

### **BMP No. B5 Volunteer Monitoring**

**Measurable Goal(s), including frequencies:** Publicize a phone number residents can call to report stormwater pollution. Document the number of reports received annually.

**Milestones: Year 12:** Publicize the phone number on the Village web site.

**BMP Status:** The Village uses its website to publicize a phone number (847-381-7510) residents can call to report stormwater pollution, including sediment laden construction site runoff, illicit connections to the drainage system, and illegal dumping. Each resident report will be investigated and the findings will be documented. Corrective actions will be taken whenever an ordinance violation is discovered. No suspicious discharges were reported in Year 12.

**BMP No. B6** Program Involvement

**Measurable Goal(s), including frequencies:** Annually promote proper disposal of waste by collecting certain types of household waste at Village Hall and promoting community waste collection events in the area. Track the amount of waste collected.

**Milestones:** **Year 12:** Collect certain types of household waste at Village Hall and promote community waste collection events in the area.

**BMP Status:** The Village collects batteries, fluorescent light bulbs, and mercury thermometers at Village Hall and properly disposes of the collected waste. In addition, the Village promotes the periodic waste collection events of the Solid Waste Agency of Northern Cook County (SWANCC) through the Village web site. These events encourage the public to properly dispose of household waste items, which otherwise might be dumped in the drainage system.

**BMP No. C1** Storm Sewer Map Preparation

**Measurable Goal(s), including frequencies:** Review the storm sewer system map annually. Update the map with new storm sewers and outfalls as necessary.

**Milestones:** **Year 12:** Review the storm sewer map and update the map as necessary.

**BMP Status:** The Village's storm sewer system map was last updated on January 19, 2010. The storm sewer systems of more recently approved developments will be added to the map in the future.

**BMP No. C2** Regulatory Control Program

**Measurable Goal(s), including frequencies:** Enforce an ordinance that prohibits non-stormwater discharges to the drainage system. Continually document reports of ordinance violations and enforcement actions taken.

**Milestones:** **Year 12:** Enforce the Illicit Discharge and Connection Ordinance.

**BMP Status:** The Village adopted its Illicit Discharge and Connection Ordinance on August 11, 2011. The Ordinance includes penalties for Ordinance violations and provides the regulatory framework for the Village's Illicit Discharge Detection and Elimination Procedures.

**BMP No. C7** Visual Dry Weather Screening

**Measurable Goal(s), including frequencies:** Annually perform visual dry weather screening of all Village outfalls.

**Milestones:** **Year 12:** Perform visual dry weather screening.

**BMP Status:** The Village inspected 20 priority outfalls during dry weather conditions on October 27, 2014. Several outfalls were found to have a dry weather discharge, but are not suspected to be illicit discharges. An inspection report was completed to document each outfall inspection. Follow-up inspections will be performed on the outfalls with dry weather discharges.

**BMP No. D1** Regulatory Control Program

**Measurable Goal(s), including frequencies:** Enforce an ordinance which requires the installation of erosion and sediment controls, the control of construction site waste, compliance with General NPDES Permit No. ILR10, and use of green infrastructure techniques. Continually maintain files for all permitted projects, as well as for ordinance violations and enforcement actions taken.

**Milestones:** **Year 12:** Enforce the Soil Erosion Control Ordinance (Title 12, Chapter 3 of the Village Code).

**BMP Status:** The Village recently adopted the Cook County Watershed Management Ordinance by reference and intends to become an authorized municipality in Year 13. The Ordinance includes penalties for Ordinance violations. The Village maintained files for all projects permitted in Year 12, as well as for all Ordinance violations and enforcement actions taken in Year 12.

**BMP No. D4** Site Plan Review Procedures

**Measurable Goal(s), including frequencies:** Review site plans for appropriate erosion and sediment controls, the control of construction site waste, compliance with General NPDES Permit No. ILR10, and use of green infrastructure techniques. Continually maintain files for all permitted projects.

**Milestones:** **Year 12:** Enforce the Soil Erosion Control Ordinance (Title 12, Chapter 3 of the Village Code) by reviewing site plans prior to issuance of a permit.

**BMP Status:** The Village recently adopted the Cook County Watershed Management Ordinance by reference, and intends to become an authorized municipality in Year 13. The Ordinance provides the regulatory framework for the Village's procedures for review of proposed site plans and issuance of a permit. The Village issued permits for approximately 41 projects in Year 12 for which a site plan was required. The Village reviewed the site plan prior to issuance of each permit and maintains a file for each project.

**BMP No. D6** Site Inspection/Enforcement Procedures

**Measurable Goal(s), including frequencies:** Inspect all permitted development sites throughout construction to ensure consistency with erosion and sediment control requirements. Continually maintain files for all permitted projects, as well as for ordinance violations and enforcement actions taken.

**Milestones:** **Year 12:** Enforce the Soil Erosion Control Ordinance (Title 12, Chapter 3 of the Village Code) by regularly inspecting construction sites.

**BMP Status:** The Village recently adopted the Cook County Watershed Management Ordinance by reference, and intends to become an authorized municipality in Year 13. The Ordinance includes penalties for Ordinance violations and provides the regulatory framework for the Village's procedures for inspecting development sites. The Village maintains files for all permitted projects, as well as for all Ordinance violations and enforcement actions. During Year 12, the Village performed approximately 293 on-site inspections for the projects which required submittal of a site plan. Even though the purpose of these inspections was not always for soil erosion and sediment control, the Village inspection staff has been trained to check runoff control measures in conjunction with other inspections.

**BMP No. E2** Regulatory Control Program

**Measurable Goal(s), including frequencies:** Enforce an ordinance that will reduce the discharge of pollutants, reduce the volume and velocity of stormwater runoff, and require long-term operation and maintenance of BMPs. Continually maintain files for all permitted projects, including maintenance plans for proposed BMPs.

**Milestones:** **Year 12:** Enforce the Stormwater Drainage and Detention Ordinance (Title 12, Chapter 4 of the Village Code) and the Post-Construction Stormwater Control Operation and Maintenance Ordinance (Title

12, Chapter 7 of the Village Code) by reviewing proposed site plans and long-term management plans prior to issuance of a stormwater management permit.

**BMP Status:** The Village recently adopted the Cook County Watershed Management Ordinance by reference, and intends to become an authorized municipality in Year 13. The Ordinance provides the regulatory authority for requiring a combination of structural and non-structural BMPs that will reduce the discharge of pollutants, as well as the volume and velocity of stormwater runoff. The Ordinance also provides the regulatory authority for requiring a long-term maintenance plan for proposed BMPs. The Village maintained files for all projects permitted in Year 12, including maintenance plans for proposed stormwater management facilities.

**BMP No. E4** Pre-Construction Review of BMP Designs

**Measurable Goal(s), including frequencies:** Review site plans for appropriate structural and non-structural BMPs, including green infrastructure, as well as compliance with General NPDES Permit No. ILR10. Continually maintain files for all permitted projects.

**Milestones:** **Year 12:** Enforce the Stormwater Drainage and Detention Ordinance (Title 12, Chapter 4 of the Village Code) and the Post-Construction Stormwater Control Operation and Maintenance Ordinance (Title 12, Chapter 7 of the Village Code) by reviewing site plans prior to issuance of a permit.

**BMP Status:** The Village recently adopted the Cook County Watershed Management Ordinance by reference, and intends to become an authorized municipality in Year 13. The Ordinance provides the regulatory framework for the Village's procedures for review of proposed site plans and issuance of a permit. The Village issued permits for approximately 41 projects in Year 12 for which a site plan was required. The Village reviewed the site plan prior to issuance of each permit and maintains a file for each project

**BMP No. E6** Post-Construction Inspections

**Measurable Goal(s), including frequencies:** Inspect all permitted development sites at the completion of construction to ensure compliance with stormwater management requirements. Continually maintain files for all permitted projects, as well as for ordinance violations and enforcement actions taken.

**Milestones:** **Year 12:** Enforce the Stormwater Drainage and Detention Ordinance (Title 12, Chapter 4 of the Village Code) and the Post-Construction

Stormwater Control Operation and Maintenance Ordinance (Title 12, Chapter 7 of the Village Code) by inspecting development sites at the completion of each phase of construction.

**BMP Status:** The Village recently adopted the Cook County Watershed Management Ordinance by reference, and intends to become an authorized municipality in Year 13. The Ordinance includes penalties for Ordinance violations and provides the regulatory framework for the Village's procedures inspecting development sites. The Village maintains files for all permitted projects, as well as for all Ordinance violations and enforcement actions. The Village issued permits for approximately 41 projects in Year 12 for which a site plan was required. The Village performed an on-site inspection for each project at the completion of construction.

**BMP No. F1** Employee Training Program

**Measurable Goal(s), including frequencies:** Train employees annually to prevent or reduce stormwater pollution from municipal activities.

**Milestones:** **Year 12:** Train new and existing municipal employees to prevent or reduce stormwater pollution.

**BMP Status:** The Village obtained an employee training DVD titled *Stormwater Pollution Prevention for Municipal Operations*. This DVD will be used for training key staff in Year 13.

**BMP No. F2** Inspection and Maintenance Program

**Measurable Goal(s), including frequencies:** Annually inspect the Village's stormwater management system and maintain the Village's drainage ditches, culverts, and storm sewers, as needed.

**Milestones:** **Year 12:** Continue conducting inspections and maintenance of the stormwater management system.

**BMP Status:** The Village regularly inspects and maintains its stormwater management system. This program includes the following components: regular inspection, cleaning, and maintenance of drainage ditches, along with as-needed storm sewer cleaning and repair. During Year 12, the Village had some staff changes; the new staff has identified the drainage issues throughout the Village limits and are working towards resolving those issues through strategic cleaning, maintenance and repair of infrastructure. The Village will be switching vendors for road salt (Cuba Township) in Year 13; the salt application will be computerized and will monitor the



rate of salt application to ensure that salt is distributed evenly over road surfaces, thereby minimizing the application of excess salt. In Year 13, the Village will continue to utilize commercial car washes for the washing of municipal vehicles, thereby minimizing the amount of pollutants that drain to storm sewer and ditches.

**C. INFORMATION AND DATA COLLECTION RESULTS**

The Village began implementing a Water Quality Monitoring Plan in Year 10. The key components of the Plan are described below.

- Wet weather samples were collected at four locations on June 25, 2014: where Poplar Creek enters the Village limits, where Poplar Creek exits the Village limits, where Spring Creek exits the Village limits, and where a tributary of Spring Creek exits the Village limits.
- Field data, such as flowrate, temperature, pH, and Dissolved Oxygen were recorded at the time the sample was collected. Then, each sample was tested in a lab for Total Suspended Solids, Total Phosphorus, and Fecal Coliform.

This data will be collected each year and over time be used to evaluate the effectiveness of the Village's stormwater pollution prevention program.

In Year 13, the Village intends to work with area pool maintenance contractors to sample de-chlorinated water from swimming pools to ensure that the pool effluent water is clean, non-chlorinated, and pH neutral. The test results will then be submitted to the Village to review for compliance to discharge requirements.

## **D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES**

The Village plans to undertake the following activities during the March 2015 to February 2016 reporting period:

### **BMP No. A1 Distributed Paper Material**

**Measurable Goal(s), including frequencies:** Distribute stormwater pollution prevention brochures to Homeowner Associations. Document the number of Homeowner Associations that received the brochures each year.

**Milestones: Year 13:**Distribute stormwater pollution prevention brochures to Homeowner Associations and make available to the public at Village Hall.

### **BMP No. A6 Other Public Education**

**Measurable Goal(s), including frequencies:** Post links to stormwater pollution prevention resources on the Village web site.

**Milestones: Year 13:**Continue to provide links to stormwater pollution prevention resources on the Village web site and update the links, as necessary..

### **BMP No. B5 Volunteer Monitoring**

**Measurable Goal(s), including frequencies:** Publicize a phone number residents can call to report stormwater pollution. Document the number of reports received annually.

**Milestones: Year 13:**Publicize the phone number residents can call to report stormwater pollution. Document the number of reports received annually.

### **BMP No. B6 Program Involvement**

**Measurable Goal(s), including frequencies:** Annually promote proper disposal of waste by collecting certain types of household waste at Village Hall and promoting community waste collection events in the area. Track the amount of waste collected.

**Milestones: Year 13:**Collect certain types of household waste at Village Hall and promote community waste collection events in the area.

**BMP No. C1** Storm Sewer Map Preparation

**Measurable Goal(s), including frequencies:** Review the storm sewer system map annually. Update the map with new storm sewers and outfalls as necessary.

**Milestones:** **Year 13:** Review the storm sewer map and update the map as necessary.

**BMP No. C2** Regulatory Control Program

**Measurable Goal(s), including frequencies:** Enforce an ordinance that prohibits non-stormwater discharges to the drainage system. Continually document reports of ordinance violations and enforcement actions taken.

**Milestones:** **Year 13:** Enforce the Illicit Discharge and Connection Ordinance.

**BMP No. C7** Visual Dry Weather Screening

**Measurable Goal(s), including frequencies:** Annually perform visual dry weather screening of all Village outfalls.

**Milestones:** **Year 13:** Perform visual dry weather screening.

**BMP No. D1** Regulatory Control Program

**Measurable Goal(s), including frequencies:** Enforce an ordinance which requires the installation of erosion and sediment controls, the control of construction site waste, compliance with General NPDES Permit No. ILR10, and use of green infrastructure techniques. Continually maintain files for all permitted projects, as well as for ordinance violations and enforcement actions taken.

**Milestones:** **Year 13:** Enforce the Construction Site Runoff Control requirements.

**BMP No. D4** Site Plan Review Procedures

**Measurable Goal(s), including frequencies:** Review site plans for appropriate erosion and sediment controls, the control of construction site waste, compliance with General NPDES Permit No. ILR10, and use of green infrastructure techniques. Continually maintain files for all permitted projects.

**Milestones:** **Year 13:** Enforce the Construction Site Runoff Control requirements by reviewing Site Plans for appropriate erosion and sediment controls prior to issuing a Watershed Management Permit.

**BMP No. D6** Site Inspection/Enforcement Procedures

**Measurable Goal(s), including frequencies:** Inspect all permitted development sites throughout construction to ensure consistency with erosion and sediment control requirements. Continually maintain files for all permitted projects, as well as for ordinance violations and enforcement actions taken.

**Milestones: Year 13:** Enforce the Construction Site Runoff Control requirements by inspecting all permitted development sites throughout construction.

**BMP No. E2** Regulatory Control Program

**Measurable Goal(s), including frequencies:** Enforce an ordinance that will reduce the discharge of pollutants, reduce the volume and velocity of stormwater runoff, and require long-term operation and maintenance of BMPs. Continually maintain files for all permitted projects, including maintenance plans for proposed BMPs.

**Milestones: Year 13:** Enforce the Post-Construction Runoff Control requirements.

**BMP No. E4** Pre-Construction Review of BMP Designs

**Measurable Goal(s), including frequencies:** Review site plans for appropriate structural and non-structural BMPs, including green infrastructure, as well as compliance with General NPDES Permit No. ILR10. Continually maintain files for all permitted projects.

**Milestones: Year 13:** Enforce the Post-Construction Runoff Control requirements by reviewing Site Plans prior to issuance of a permit.

**BMP No. E6** Post-Construction Inspections

**Measurable Goal(s), including frequencies:** Inspect all permitted development sites at the completion of construction to ensure compliance with stormwater management requirements. Continually maintain files for all permitted projects, as well as for ordinance violations and enforcement actions taken.

**Milestones: Year 13:** Enforce the Post-Construction Runoff Control requirements by inspecting development sites at the completion of construction.

**BMP No. F1** Employee Training Program

**Measurable Goal(s), including frequencies:** Train employees annually to prevent or reduce stormwater pollution from municipal activities.

**Milestones: Year 13:** Train new and existing municipal employees to prevent or reduce stormwater pollution.

**BMP No. F2** Inspection and Maintenance Program

**Measurable Goal(s), including frequencies:** Annually inspect the Village's stormwater management system and maintain the Village's drainage ditches, culverts, and storm sewers, as needed.

**Milestones: Year 13:** Continue conducting inspections and maintenance of the stormwater management system.

**E. NOTICE OF QUALIFYING LOCAL PROGRAM**

The Village is not relying on any other government entity to satisfy permit obligations.

**F. CONSTRUCTION PROJECTS CONDUCTED DURING YEAR 12**

For the period from March 2014 to February 2015, the Village initiated and/or completed the following construction projects:

- Village Hall Expansion
- 2014 Road Improvement Program
- Woods of South Barrington