



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, 2015 _____ To March, 2016 _____

Permit No. ILR40 0343

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

Name: Village of Glenview Mailing Address 1: 2500 East Lake Avenue

Mailing Address 2: _____ County: Cook

City: Glenview State: IL Zip: 60026 Telephone: 847-904-4410

Contact Person: Shane Schneider, P.E. Email Address: shanes@glenview.il.us
(Person responsible for Annual Report)

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

Cook County New Trier Township Wheeling Township
Maine Township Northfield Township Niles Township

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
- 2. Public Participation/Involvement
- 3. Illicit Discharge Detection & Elimination
- 4. Construction Site Runoff Control
- 5. Post-Construction Runoff Control
- 6. Pollution Prevention/Good Housekeeping

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))

Shane E. Schneider
Owner Signature:

Shane E. Schneider, P.E.
Printed Name:

6/2/2016
Date:

Village Engineer
Title:

EMAIL COMPLETED FORM TO: 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)

YEAR 13 - MARCH 2015 TO FEBRUARY 2016 REPORTING PERIOD

VILLAGE OF GLENVIEW, ILLINOIS

A. CHANGES TO BEST MANAGEMENT PRACTICES

There were no changes to the Village's Stormwater Management Program during the period from March 2015 to February 2016.

B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

The Best Management Practices (BMPs), along with Measurable Goals and Milestones for the March 2015 – February 2016 year (Year 13) are listed below:

BMP No. A1 Distributed Paper Material

The Village publishes a monthly newsletter which is mailed to all residents. Copies of the newsletters are also available on the Village web site. Each year, the newsletter will include at least two articles on topics such as: the impacts of stormwater discharges on water bodies; the steps that the public can take to reduce pollutants in stormwater runoff; the hazards associated with illegal discharges and improper disposal of waste; and green infrastructure.

Measurable Goal(s): Distribute NPDES-related newsletter articles at least twice per year.

Milestones, Year 13: **Distribute two newsletter articles to all Village residents.**

BMP Status: In Year 13, each Village newsletter included a Go Green Glenview column featuring information on recycling, rain barrels, and lawn management. In addition, there were feature articles on residential BMPs and installation of educational signs highlighting stormwater pollution. All Village newsletters are archived on the web site.

For residents that sign up, the Village also sends a weekly e-newsletter. The e-newsletter occasionally includes articles on stormwater management.

BMP No. A3 Public Service Announcement

The Village publishes a monthly newsletter which is mailed to all residents. Copies of the newsletters are also available on the Village web site. Each year, the newsletter will announce opportunities for residents to properly dispose of waste.

Measurable Goal(s): Annually announce opportunities for residents to reduce chemical pollution in natural resources.

Milestones, Year 13: **Announce at least one waste collection event to all Village residents.**

BMP Status: In Year 13, the Village newsletter included information about recycling events for latex paint, electronics, and textiles, in addition to holiday string lights collection. These events are well-attended. 832 pounds of pharmaceutical drugs, 1,049 pounds of sharps, 2,778 pounds of light bulbs, 3,000 pounds of batteries, 37,934 pounds of electronics, 12,760 pounds of documents for

shredding, 7 pounds of mercury-containing thermometers and thermostats, and a large quantity of holiday lights were collected.

BMP No. A6 Other Public Education

The Village maintains a web site with information about the Village government, information about Village services and upcoming events. This web site also includes educational information for the public regarding stormwater pollution prevention, which will be updated each year.

Measurable Goal(s): Update the Village web site with educational materials annually.

Milestones, Year 13: **Update the Village web site.**

BMP Status: The Village web site includes a page titled “Stormwater Pollution Prevention”. This page describes the Village’s NPDES Phase II program and includes links to program events, program documents, and educational articles.

The Village also airs Village-produced videos. These “Ask the Village” videos sometimes address stormwater pollution and waste disposal or recycling. “Ask the Village” videos are featured in weekly e-newsletters and on the Village website on a rotating basis.

In addition, the Village co-sponsored public education presentations on environmental issues at the Glenview Public Library (May 19, 2015 and October 8, 2015) as well as in conjunction with Kiwanis (September 14, 2015).

BMP No. B2 Educational Volunteer Events

Each year, the Village Natural Resources Commission organizes work days for public volunteers to collect trash, clear brush, remove invasive plant species, and plant native plant species.

Measurable Goal(s): Organize and publicize annual volunteer work days to involve the public in the stormwater management program.

Milestones, Year 13: **Organize and publicize at least one volunteer work day.**

BMP Status: The Village held a work day on May 9, 2015 to help beautify the West Fork of the North Branch of the Chicago River. Approximately 40 volunteers picked up litter and pulled up garlic mustard.

Other educational volunteer events were held in Year 13, including:

- Detention basin planting (May 16, 2015) – 45 volunteers
- Riverwalk planting (October 3, 2015) – 30 volunteers
- Controlled landscape burns (April 2015) – Approximately 5 volunteers in addition to trained staff
- Green Infrastructure Bike Tour (August 23, 2015) – Approximately 15 riders
- Techny Basin Clean-up (November 8, 2015) – Approximately 30 volunteers

BMP No. B7 Other Public Involvement

The Village offers residents a rain garden cost share program. The program provides a 50% cost-share of projects costs up to \$1,000 for any rain garden that provides a drainage benefit and utilizes native plants. The Village also offered a rain barrel program where residents can purchase a 55-gallon capacity barrel provided by the Metropolitan Water Reclamation District of Greater Chicago (MWRD) directly from the Village at the same price as the MWRD charges. In 2016, the Village began participating in the MWRD's new program which offers free rain barrels to residents, and discontinued its own for-cost program.

Measurable Goal(s): Encourage residents to manage stormwater on their property by installing rain gardens and rain barrels.

Milestone, Year 13: **Continue the rain garden cost sharing program and rain barrel program.**

BMP Status: The Village publicized the rain garden program in several newsletters. 3 rain garden applications were approved during the reporting period, and 7 rain barrels were sold. Additionally, the Village facilitated requests from 333 residents for the MWRDGC rain barrel program.

BMP No. C1 Storm Sewer Map Preparation

The Village has a GIS-based storm sewer map for the entire storm sewer system, including the location of all known outfalls. The map is updated continuously with Capital Improvement Projects and storm sewer added with new development.

Measurable Goal(s): Update the Storm Sewer Map at least annually.

Milestone, Year 13: **Update the Storm Sewer Map.**

BMP Status: The storm sewer map is up-to-date.

BMP No. C2/C3/C4/C5/C7 Illicit Discharge Detection and Elimination

Section 38-281 of the Village Code effectively prohibits non-stormwater discharges into the storm sewer system. Section 1-16, and Sections 38-288 through 38-293 implement appropriate enforcement procedures and actions. The Village has developed and begun implementing a systematic plan to find and remove illegal discharges to the storm sewer system. River outfall inspections were commenced in 2012 and are planned on a five year rotating basis.

Measurable Goal(s): Enforce the Sewer Use Ordinance to regulate discharges to the storm sewer system.

Milestones, Year 13: **Monitor outfalls, respond to complaints, trace all suspicious discharges to the storm sewer system, and require removal of all illicit discharges.**

BMP Status: The Village inspected 43 outfalls in Year 13. An inspection report was completed to document each outfall inspection. No suspicious discharges were found, so there was no tracing or remediation required.

The Fire Department responds to reports of flammable liquid spills. During the reporting period, no flammable liquid spill incidents occurred.

BMP No. C9 Public Notification

The Village publishes a monthly newsletter which is mailed to all residents and also maintains a web site that is increasingly visited by the public. Each year, the newsletter includes articles on stormwater pollution prevention topics, such as the hazards associated with illegal discharges and improper disposal of waste. The Village web site includes a page dedicated to educational information for the public regarding stormwater pollution prevention.

Measurable Goal(s): Annually notify the public regarding the consequences of illicit discharges to the storm sewer system.

Milestones, Year 13: **Publish articles in the newsletter and post articles on the web site regarding illicit discharges.**

BMP Status: In Year 13, the Village newsletter included articles on illicit discharges. All Village newsletters are archived on the web site.

BMP No. D1/D2/D4/D6 Construction Site Runoff Control

The Village Code and the Engineering Standards Manual act together as the regulatory mechanism used to require erosion and sediment controls on construction sites. The Village Code includes sanctions to ensure compliance. The Village reviews proposed site plans prior to issuing permits for development. Ongoing projects are inspected regularly by both the Development Department (private projects) and the Capital Projects Department (Village projects). Inspections are also performed in response to complaints received from the public. Insufficient erosion control measures are addressed promptly.

Measurable Goal(s): Enforce the Soil Erosion and Sediment Control Ordinance and the Engineering Standards Manual to prevent stormwater pollution resulting from construction site runoff.

Milestone, Year 13: **Review site plans for appropriate BMPs, inspect construction sites for proper installation and maintenance of the BMPs, and respond to complaints.**

BMP Status: The Village continues to enforce the Soil Erosion and Sediment Control Ordinance and the Engineering Standards Manual for new development and redevelopment within the Village. During the reporting period, the Village consistently reviewed site plans for appropriate BMPs prior to issuing 134 site development permits and then conducted on-site inspections for each permit, with the number of on-site inspections varying depending on the size and duration of the project. 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/E3/E4/E5/E6 Post-Construction Runoff Control

The Village Code and the Engineering Standards Manual act together as the regulatory mechanism used to address post-construction runoff from new development and redevelopment projects. The Village reviews proposed site plans prior to issuing permits for development. Ongoing projects are inspected regularly by the Development Department. Inspections are also performed in response to complaints received from the public. All stormwater storage facilities constructed as part of a private development remain under private ownership and are maintained by the owner.

Measurable Goal(s): Enforce the Site Plan Review Ordinance and the Engineering Standards Manual to prevent stormwater pollution resulting from post-construction runoff.

Milestone, Year 13: **Review site plans for appropriate BMPs, inspect construction sites for substantial conformance with the approved site plans, and ensure long-term maintenance of the BMPs.**

BMP Status: The Village continues to enforce the Site Plan Review Ordinance and the Engineering Standards Manual for new development and redevelopment within the Village.

BMP No. F1 Employee Training Program

The Village uses a DVD and a written exam to train employees on stormwater pollution prevention for municipal operations and illicit discharge detection and elimination.

Measurable Goal(s): Annually train Public Works maintenance staff on stormwater pollution prevention for municipal operations and illicit discharge detection and elimination.

Milestones, Year 13: **Incorporate stormwater pollution prevention training into regular employee training.**

BMP Status: 21 Public Works maintenance employees were trained on stormwater pollution prevention for municipal operations and illicit discharge detection and elimination on May 17, 2016. The DVD *NPDES Phase II – Training for Municipal Employees* was implemented as part of this training.

BMP No. F2/F3 Pollution Prevention/Good Housekeeping

The Village has many operational policies designed to prevent stormwater pollution associated with municipal operations. Streets are swept regularly and street sweepings are stored in bins at the Public Works Facility until they are hauled away by a licensed waste hauler. The pavement in the Public Works yard is swept regularly and filter baskets have been installed in all storm sewer inlets in the Public Works yard. Underground storage tanks at the Public Works Facility are double-walled for containment and fuel is stored in containers with overflow alarms. Road salt is stored in a covered storage building. Other materials that are stored outdoors and which could be carried with runoff into the storm sewer system are covered by a tarp when not in use. Fleet maintenance is performed inside the Public Works Facility where the floor drains are connected to triple basins and the sanitary sewer system, rather than the storm sewer system. Large debris is knocked off maintenance equipment in the Public Works yard prior to washing. This debris is promptly scraped from the pavement and equipment is then washed in a location where the smaller debris will be captured by an inlet filter basket or a catch basin.

Measurable Goal(s): Implement good housekeeping practices at Village facilities. Inspect and maintain the stormwater management system to prevent stormwater pollution from municipal operations.

Milestones, Year 13: **Sweep Village streets and the pavement in the Public Works Yard regularly. Keep material storage piles covered. Perform**

fleet maintenance indoors. Clean storm sewer pipes, manholes, and catch basins.

BMP Status:

Good housekeeping practices continued to be used at Village facilities. During the reporting year, the Village cleaned 19,078 feet of storm sewer, 580 inlet grates, and 179 manholes, and repaired or replaced at least 68 structures. The Village also swept approximately 2,500 curb miles of streets.

C. INFORMATION AND DATA COLLECTION RESULTS

Monitoring data was collected from seven stormwater outfalls on June 16, 2015. Field tests were conducted at each outfall to determine the temperature, pH, dissolved oxygen, total alkalinity, and total hardness of the water flowing from the outfall. Samples were collected at each outfall and the samples were tested in a laboratory for nitrate, nitrite, ammonia, conductivity, total Kjeldahl nitrogen, phosphorus, total dissolved solids, total suspended solids, and fecal coliform. This data is available in the Village's files.

D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES

A summary of the stormwater activities that are planned to be undertaken during the next reporting cycle (March 2016 – February 2017) is shown below:

BMP No. A1 Distributed Paper Material

Measurable Goal(s): Distribute NPDES related newsletter articles at least twice per year. Include information regarding the impact of climate change on stormwater pollution.

Milestones, Year 14: **Distribute two newsletter articles to all Village residents.**

BMP No. A3 Public Service Announcement

Measurable Goal(s): Annually announce opportunities for residents to reduce chemical pollution in natural resources.

Milestones, Year 14: **Announce at least one waste collection event to all Village residents.**

BMP No. A6 Other Public Education

Measurable Goal(s): Update the Village web site with educational materials annually.

Milestones, Year 14: **Update the Village web site, including with information about the impact of climate change on stormwater pollution.**

BMP No. B2 Educational Volunteer

Measurable Goal(s): Organize and publicize annual volunteer work days to involve the public in the stormwater management program.

Milestones, Year 14: **Organize and publicize at least one volunteer work day.**

BMP No. B7 Other Public Involvement

Measurable Goal(s): Discuss stormwater pollution during at least one public meeting, allowing for public input. Encourage residents to manage stormwater on their property by installing rain gardens and rain barrels. Investigate possible environmental justice areas and take appropriate steps to address such areas.

Milestones, Year 14: **Hold a public meeting that includes discussion of stormwater pollution topics. Continue the rain garden cost sharing program and rain barrel program. Identify any potential**

environmental justice areas within the Village using the website link: <http://epa.gov/environmentaljustice/>.

BMP No. C1 Storm Sewer Map Preparation

Measurable Goal(s): Update the Storm Sewer Map at least annually.

Milestones, Year 14: **Update the Storm Sewer Map.**

BMP No. C2/C3/C4/C5/C7 Illicit Discharge Detection and Elimination

Measurable Goal(s): Enforce the Sewer Use Ordinance to regulate discharges to the storm sewer system.

Milestones, Year 14: **Monitor outfalls, respond to complaints, trace all suspicious discharges to the storm sewer system, and require removal of all illicit discharges.**

BMP No. C9 Public Notification

Measurable Goal(s): Annually notify the public regarding the consequences of illicit discharges to the storm sewer system.

Milestones, Year 14: **Publish articles in the newsletter and post articles on the web site regarding illicit discharges.**

BMP No. D1/D2/D4/D6 Construction Site Runoff Control

Measurable Goal(s): Enforce the Soil Erosion and Sediment Control Ordinance and the Engineering Standards Manual to prevent stormwater pollution resulting from construction site runoff.

Milestones, Year 14: **Review site plans for appropriate BMPs, inspect construction sites for proper installation and maintenance of the BMPs, and respond to complaints.**

BMP No. E2/E3/E4/E5/E6 Post-Construction Runoff Control

Measurable Goal(s): Enforce the Site Plan Review Ordinance and the Engineering Standards Manual to prevent stormwater pollution resulting from post-construction runoff.

Milestones, Year 14: **Review site plans for appropriate BMPs, inspect construction sites for substantial conformance with the approved site plans, and ensure long-term maintenance of the BMPs.**

BMP No. F1 Employee Training Program

Measurable Goal(s): Annually train Public Works maintenance staff on stormwater pollution prevention for municipal operations and illicit discharge detection and elimination. Incorporate training for Village staff into the quarterly compliance meetings. Present the DVD *NPDES Phase II – Training for Municipal Employees* to Public Works maintenance staff annually, along with a written exam.

Milestones, Year 14: **Incorporate stormwater pollution prevention training into regular employee training.**

BMP No. F2/F3 Pollution Prevention/Good Housekeeping

Measurable Goal(s): Implement good housekeeping practices at Village facilities. Inspect and maintain the stormwater management system to prevent stormwater pollution from municipal operations.

Milestones, Year 14: **Sweep Village streets and the pavement in the Public Works Yard regularly. Keep material storage piles covered. Perform fleet maintenance indoors. Clean storm sewer pipes, manholes, and catch basins.**

PART V. Monitoring

Measurable Goal(s): The Village will supplement its current monitoring program by selecting up to four high-priority locations and measuring ambient water quality as required by the current general permit. Field tests will be conducted at each outfall to determine the temperature, pH, dissolved oxygen, total alkalinity, and total hardness of the water flowing from the outfall. Samples will be collected at each outfall and the samples will be tested in a laboratory for nitrate, nitrite, ammonia, conductivity, total Kjeldahl nitrogen, phosphorus, total dissolved solids, total suspended solids, and fecal coliform.

Milestones, Year 14: **Identify four high-priority locations for monitoring. If budget constraints allow, take ambient water quality samples within 48 hours of a precipitation event greater than or equal to ¼-inch in a 24-hour period.**

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 REPORTING PERIOD

For the period from March 2015 to February 2016, the Village initiated and/or completed the following construction projects:

- Glenayre Park Phase I Reconstruction
- West Lake/Greenwood Intersection & Centennial Trail
- Navy Bypass Sewer Phase II
- 2015 Street Resurfacing
- 2015 Sewer Lining
- Sandy/Debra Reconstruction
- Dewes/Henley/Harlem Phase II Reconstruction
- Heatherfield Reconstruction
- Northfield Woods Stormwater Improvements
- Knollwood/Springdale Sidewalk
- Knight, Crown and Linneman Water Main