



Village of Golf

1 BRIAR ROAD, P.O. BOX 231, GOLF, ILLINOIS 60029-0231, (847) 998-8852

May 23, 2017

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276

Re: NPDES Phase II – Year Fourteen Annual Report
Village of Golf MS4 Permit No. ILR40-0200

To Whom it May Concern:

On behalf of the Village of Golf please find attached the completed IEPA Annual Facility Inspection Report for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4) for the Village of Golf with supplemental information.

If you should have any questions or require additional information, please feel free to call me at 847-478-9700 or email pjglenn@gha-engineers.com.

Sincerely,
Village of Golf

A handwritten signature in blue ink, appearing to read "Patrick J. Glenn".

Patrick J. Glenn, P.E.
Village Engineer

cc: Caitlin Burke, Gewalt Hamilton Associates





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 0200

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

Name: Village of Golf Mailing Address 1: 1 Briar Road
Mailing Address 2: County: Cook
City: Golf State: IL Zip: 60029 Telephone: (847) 478-9700
Contact Person: Patrick Glenn, P.E. Email Address: pglenn@gha-engineers.com
(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 Metropolitan Water Reclamation District

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))

Patrick Glenn

Owner Signature:

PATRICK GLENN

Printed Name:

5.23.17

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

IL 532 2585

WPC 691 Rev 6/10

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.

**Illinois Environmental Protection Agency
Annual Facility Inspection Report
for General Permit for Discharges from Small MS4s**

**The Village of Golf
Permit No. ILR40 0200
Permit Year 14: March 2016 to February 2017**

Contents

Part A. Changes to Best Management Practices A-1

Part B. Status of Compliance with Permit ConditionsB-1

Part C. Information and Data Collection Results C-1

Part D. Summary of Year 15 Stormwater ActivitiesD-1

Part E. Notice of Qualifying Local ProgramE-1

 N/A

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

Part A. MS4 Changes to Best Management Practices, Year 14

Information regarding the status of all of the BMPs and measurable goals described in the MS4's SMPP is provided in the following table.

Note: X indicates BMPs that were implemented in accordance with the MS4's SMPP
✓ indicates BMPs that were changed during Year 14

Year 14	
MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
	A.4 Community Event
	A.5 Classroom Education Material
✓	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
	B.2 Educational Volunteer
	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
✓	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
✓	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 14	
MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
✓	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
	F.1 Employee Training Program
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

Additional information about the changes that were made to the BMPs described in Village of Golf's SMPP during Year 14 is provided below.

In response to the new ILR40 permit, effective March 1, 2016, Village of Golf reviewed and revised its SMPP. Year 14 activities were done in accordance with the previous SMPP. Commitments described for Year 15 are a reflection of the revised SMPP.

A.6 Other Public Education

Measurable Goal(s):

- Make educational materials available online and at the Village Hall for residents to take.

Year 14 MS4 activities:

- A handout containing several Homeowner Best Management Practices is made available at the Village Hall, and is included in the SMPP as an appendix. Additional educational resources are located at <http://www.gha-engineers.com/ms4/educational/> which the Village has a link to on its website.

B.6 Program Coordination

Measurable Goal(s):

- Preparation of a Stormwater Management Program Plan (SMPP).

Year 14 MS4 activities:

- A SMPP was prepared and adopted by the Village of Golf during Year 14.

C.4 Illicit Discharge Tracing Procedures

Measurable Goal(s):

- Develop a plan to detect and address non-storm water discharges and illegal dumping.

Year 14 MS4 activities:

- A web page was developed, which is linked on the Village website, for residents to report a potential illicit discharge: <http://www.gha-engineers.com/ms4/contact/>

D.7 Other Construction Site Controls

Measurable Goal(s):

- Develop a plan to detect and address non-storm water discharges and erosion.

Year 14 MS4 activities:

- A web page was developed, which is linked on the Village website, for residents to report an erosion control issue: <http://www.gha-engineers.com/ms4/contact/>

Part B. MS4 Status of Compliance with Permit Conditions, Year 14

Stormwater Management Activities, Year 14

Please note that IEPA issued a new version of its General NPDES Permit No. ILR40 (Permit), effective on March 1, 2016. The bulk of MS4 efforts during Year 14 consisted of reviewing and revising its SMPP to comply with the new permit conditions. A significant enhancement to the SMPP is the inclusion of Chapter 3.1 Qualified Local Program. On behalf of all MS4s within the county, SMC performs activities related to each of the six minimum control measures which are described in detail in the SMPP. These BMPs, implemented at the county level, make significant strides in achieving the statutory goal of reducing the discharge of pollutants to the MEP as watershed boundaries are not constrained by municipal borders. The MS4's SMPP can be viewed at www.gha-engineers.com/ms4, and on the Village website at <https://www.villageofgolf.us/water-service.html>. It is also attached for reference.

The stormwater management activities that the Village of Golf performed during Year 14, including the Village's BMPs and measurable goals, are described in detail in the Village's previous SMPP and summarized below. A copy of the annual tracking form is included at the end of Part B of this report.

A. Public Education and Outreach

The Public Education and Outreach program includes the distribution of educational material to the community or conducting equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to storm water runoff. The Village of Golf commits to implementation of BMPs as described below.

BMP No: A.1 Distributed Paper Material

A number of pamphlets and brochures related to BMPs and storm water management have been produced by the IEPA and other regulatory agencies. The Village of Golf makes these publications, at a minimum, available.

Measurable Goal(s): Distribute flyers at Village Hall.

The Village of Golf has developed a flyer to distribute to educate homeowners about ways to improve the quality of storm water runoff. This flyer is available at the Village office.

BMP No. A.6: Other Public Education

The Village of Golf keeps a link on it's website to the GHA MS4 website, which contains various education resources and important links. The website, www.gha-engineers.com/ms4/, contains information on stormwater management, best management practices for homeowners, and resources related to climate change and its potential impacts on stormwater.

Measurable Goal(s): Maintain the MS4 website link so that residents can access it.

B. Public Participation/Involvement

The Public Participation/Involvement program includes attending and publicizing watershed stakeholder meetings, presenting program information at a public meeting at least annually and publicizing IDDE reporting contact numbers. The Village of Golf commits to implementation of BMPs as described below.

BMP No. B.4: Public Hearing

The Village of Golf will conduct a public meeting to present the annual report and the SMPP, which was prepared in October 2016.

Measurable Goal(s): Present summary of ongoing program implementation (annual report, SMPP updates, etc.) at public meeting.

The Village will present the annual report at a public meeting in Year 15.

C. Illicit Discharge Detection and Elimination

The Village of Golf will implement program activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The requirements of an IDDE program include the following:

- Develop a storm sewer system map that shows the locations of all outfalls and the names and locations of all water of the US that receive discharges from those outfalls.
- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

BMP No. C.1: Storm Sewer Map Preparation

The Village has prepared an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance.

Measurable Goal(s): Maintain and update outfall map.

The Village has prepared a storm sewer map and will continue to update the storm sewer map as new information becomes available.

BMP No. C.2: Regulatory Control Program

On April 13, 2009, the Village of Golf adopted ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system. A copy of this code is in the Village's SMPP.

Measurable Goal(s): Continue to enforce the ordinances.

The Village continues to enforce the ordinances and also has an Operations and Maintenance Plan that addresses illicit discharge detection and elimination.

BMP No. C.4: Illicit Discharge Tracing Procedures

Implement procedures established in the SMPP to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented.

Measurable Goal(s): Continue visual water quality screening and implement procedures to trace potential illicit discharges when observed.

Smoke testing, dye testing and excavations are performed where complaints or backup causes are difficult to locate.

BMP No. C.5: Illicit Source Removal Procedures

Implement procedures established in the SMPP to remove directly connected illicit discharges (to the extent practicable), identified through the tracing program.

Measurable Goal(s): Implement and enforce procedures established in the SMPP.

The Village of Golf coordinates with the Solid Waste Agency of Northern Cook County to collect waste before it enters the storm system. Collection day dates and sites are provided for the disposal of household chemical waste, computers and electronics. Residents are notified of these events via the Village website. The Village addresses illicit discharge detection and elimination in its SMPP and in its ordinances.

BMP No. C6: Program Evaluation and Assessment

Implement visual water quality assessment procedures, which the Village has described in its SMPP. Water quality will be observed within 24 hours of a rain event to inspect the stormwater quality for color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, or other obvious indicators of stormwater pollution.

Measurable Goal(s): Conduct annual visual water quality observation and report.

The Village of Golf performed a water quality visual observation at the Village's outfall to the West Fork of the North Branch Chicago River. No obvious indicators of stormwater pollution were noted.

BMP No. C.7: Visual Dry Weather Screening

Implement dry weather screening program as described in the SMPP. Continue screening storm sewer structures as part of regular cleaning and maintenance. Continue to investigate citizen illicit discharge/illegal dumping hotline reports in the field ("reactive investigation").

Measurable Goal(s): Conduct annual inspection of outfall.

The Village of Golf does not have a Public Works Department and contracts for all preventative maintenance programs. The Village's storm sewer system contains one

outfall to the West Fork of the North Branch of the Chicago River. This outfall is also the Combined Sewer Overflow outfall. This outfall is inspected monthly per the requirements of their IEPA Combined Sewer Overflow permit.

D. Construction Site Runoff Control

The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. D.1: Regulatory Control Program

Measurable Goal(s): Continue to review plans per the provisions of the MWRD's Sewer Permit Ordinance, and per the Village code for additional requirements for plans and standards.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) for compliance with its Sewer Permit Ordinance.

BMP No. D.2: Erosion and Sediment Control BMPs

Measurable Goal(s): Continue to review plans per the provisions of the MWRD's Sewer Permit Ordinance, and per the Village code for additional requirements for plans and standards.

The Village of Golf issues building permits for applicable projects after approval is granted by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) for compliance with its Sewer Permit Ordinance. The Village Code requires that in addition to other Village regulations, permit applications must include detailed plans and specifications for stormwater management, soil sedimentation and erosion control.

BMP D.3: Other Waste Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. D.4: Site Plan Review Procedures

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. D.6: Site Inspection/Enforcement Procedures

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

E. Post-Construction Runoff Control

As described above, the Village of Golf's Ordinance establishes the minimum storm water management requirements for development in the Village. The Ordinance establishes standards for post-construction site runoff control. The enforcement of the Ordinance implements BMPs under BMP numbers E.2, E.4, E.5 and E.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. E.2: Regulatory Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. E.4: Pre-Construction Review of BMP Designs

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. E.5: Site Inspections During Construction

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues

building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. E.6: Post-Construction Inspections

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

F. Pollution Prevention/Good Housekeeping

This portion of the program involves the implementation of the operation and maintenance program to reduce the discharge of pollutants from municipal operations and a training program for municipal employees. The Village of Golf commits to implementation of BMPs as outlined in the SMPP and described below.

BMP No. F.4: Municipal Operations Waste Disposal

Implementation of the Village's SMPP helps ensure a reduction in the amount and type of pollution that results from the waste disposal operations, such as separate storm sewer systems, roads and parking lots, maintenance and storage yards (including salt/sand storage and snow disposal areas), and waste transfer stations.

Measurable Goals: Continue to implement procedures outlined in the SMPP for pollution prevention related to this BMP.

The Village of Golf contracts out all its operation and maintenance activities.

Stormwater Management Program Assessment, Year 14

An overall assessment of the MS4's stormwater management program and the appropriateness of its BMPs is provided below.

In Year 14, the Village of Golf was audited by the IEPA, and therefore has made various improvements to its Stormwater Management Program. The audit report is included in the appendix of this report.

The Village has developed its SMPP document which is kept on file and on the Village's website. The Village intends to conduct visual inspections for water quality this summer, at the location of the Village's outfall to the West Fork North Branch. The Village also will continue to participate in North Branch Chicago River Watershed Planning Council meetings.

Part C. MS4 Information and Data Collection Results, Year 14

Annual and Data Collection, Year 14

The Village of Golf performed a water quality visual observation at the Village's outfall to the West Fork of the North Branch Chicago River. No obvious indicators of stormwater pollution were noted.

IDDE Monitoring and Data Collection, Year 14

Information and data that the MS4 collected as part of its illicit discharge detection and elimination program are summarized below.

One stormwater outfall was investigated during Year 14. No dry weather flows were noted, and no potential illicit discharges were identified at this location. The outfall inspection report is included in the appendix of this report.

Part D. MS4 Summary of Year 15 Stormwater Activities

The table below indicates the stormwater management activities that the MS4 plans to undertake during Year 15. Additional information about the stormwater management activities that the MS4 will perform during Year 15 is provided in the section following the table.

Note: X indicates BMPs that will be implemented during Year 15

Year 15	
MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
	A.4 Community Event
	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
	B.2 Educational Volunteer
	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
X	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 15	
MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
X	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
	F.1 Employee Training Program
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

Stormwater Management Activities, Year 15

During Year 15, the MS4 plans to continue to perform a variety of stormwater management activities, as described in detail in the MS4's SMPP and in brief below. The MS4's SMPP can be viewed at <https://www.villageofgolf.us/water-service.html>.

A. Public Education and Outreach

The Village of Golf is committing to implementing the Public Education and Outreach component of its Storm Water Management Plan. The Public Education and Outreach program includes the distribution of educational material to the community or conducting equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to storm water runoff. The Village of Golf commits to implementation of BMPs as described below.

BMP No. A.1: Distributed Paper Material

A number of pamphlets and brochures related to BMPs and storm water management have been produced by the IEPA and other regulatory agencies. The Village of Golf makes these publications, at a minimum, available.

Measurable Goal(s): Distribute flyers at Village Hall.

BMP No. A.6: Other Public Education

The Village of Golf keeps a link on it's website to the GHA MS4 website, which contains various education resources and important links. The website, www.gha-engineers.com/ms4/, contains information on stormwater management, best management practices for homeowners, and resources related to climate change and its potential impacts on stormwater.

Measurable Goal(s): Maintain the MS4 website link so that residents can access it.

B. Public Participation/Involvement

The Village of Golf is committing to implementing the Public Participation/Involvement component of its Storm Water Management Plan. The Public Participation/Involvement program includes attending and publicizing watershed stakeholder meetings, presenting program information at a public meeting at least annually and publicizing IDDE reporting contact numbers. The Village of Golf commits to implementation of BMPs as described below.

BMP No. B.4: Public Hearing

The Village of Golf will conduct a public meeting to present each annual report and on its SMPP.

Measurable Goal(s): Present a summary of ongoing program implementation (annual report, SMPP updates, etc.) at public meeting.

C. Illicit Discharge Detection and Elimination

The Village of Golf will implement program activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The requirements of an IDDE program include the following:

- Develop a storm sewer system map that shows the locations of all outfalls and the names and locations of all water of the US that receive discharges from those outfalls.
- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

BMP No. C.1: Storm Sewer Map Preparation

The Village has prepared an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance.

Measurable Goal(s): Maintain and update outfall map.

BMP No. C.2: Regulatory Control Program

The Village of Golf adopted ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system.

Measurable Goal(s): Continue to enforce the “Prohibition of Illicit Discharge” ordinance.

BMP No. C.4: Illicit Discharge Tracing Procedures

Implement procedures established during original NOI to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented.

Measurable Goal(s): Implement the SMPP and enforce ordinances.

BMP No. C.5: Illicit Source Removal Procedures

Implement procedures established during original NOI to remove directly connected illicit discharges (to the extent practicable), identified through the tracing program.

Measurable Goal(s): Implement the SMPP and enforce ordinances.

BMP No. C6: Program Evaluation and Assessment

Implement visual water quality assessment procedures, which the Village has described in its SMPP. Water quality will be observed within 24 hours of a rain event to inspect the stormwater quality for color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, or other obvious indicators of stormwater pollution.

Measurable Goal(s): Conduct annual visual water quality observation and report.

BMP No. C.7: Visual Dry Weather Screening

Implement dry weather screening program, established during original NOI. Continue screening storm sewer structures as part of regular cleaning and maintenance. Continue to investigate citizen illicit discharge/illegal dumping hotline reports in the field (“reactive investigation”).

Measurable Goal(s): Conduct annual dry-weather inspection of the Village’s outfall.

D. Construction Site Runoff Control

The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. D.1: Regulatory Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD’s Sewer Permit Ordinance.

BMP No. D.2: Erosion and Sediment Control BMPs

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD’s Sewer Permit Ordinance.

BMP D.3: Other Waste Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD’s Sewer Permit Ordinance.

BMP No. D.4: Site Plan Review Procedures

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD’s Sewer Permit Ordinance.

BMP No. D.6: Site Inspection/Enforcement Procedures

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD’s Sewer Permit Ordinance.

E. Post-Construction Runoff Control

As described above, the Village of Golf’s Ordinance establishes the minimum storm water management requirements for development in the Village. The Ordinance establishes standards for post-construction site runoff control. The enforcement of the Ordinance implements BMPs under BMP numbers E.2, E.3, E.4, E.5 and E.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. E.2: Regulatory Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD’s Sewer Permit Ordinance.

BMP No. E.4: Pre-Construction Review of BMP Designs

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

BMP No. E.5: Site Inspections During Construction

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

BMP No. E.6: Post-Construction Inspections

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

F. Pollution Prevention/Good Housekeeping

This portion of the program involves the implementation of the operation and maintenance program to reduce the discharge of pollutants from municipal operations and a training program for municipal employees. The Village of Golf commits to implementation of BMPs as described below.

BMP No. F.4 Municipal Operations Waste Disposal

Implementation of the SMPP helps ensure a reduction in the amount and type of pollution that results from the waste disposal operations, such as separate storm sewer systems, roads and parking lots, maintenance and storage yards (including salt/sand storage and snow disposal areas), and waste transfer stations.

Measurable Goal(s): Ensure that contractor involved in operations and maintenance activities are trained and knowledgeable about the requirements of the NPDES permit.

Part E. Notice of Qualifying Local Program

N/A

Part F. MS4 Construction Projects Conducted During Year 14

Project Name	Project Size (acres)	Construction Start Date	Construction End Date

Appendices

Year 14 Tracking Form

Outfall Inspection Form

IEPA Audit Report

Stormwater Management Program Plan (SMPP)

MS4 Name: Village of Golf Year: Permit Year 14 (March 2016- March 2017)

1. Catch basins cleaned*: _____ Amount of material removed: _____
2. Catch basins repaired*: _____
3. Outfalls inspected*: 1 outfall inspected (ID #01)
4. Outfalls repaired*: _____
5. Miles of roadway cleaned: _____ Amount of material removed: _____
6. New Village projects >1 acre (name, location, size): _____
7. Quantities of salt, brine, beet juice and sand used:
 - a. Salt: Approx 1 1/2 Ton Per Application Beet Juice: - 0 -
 - b. Brine: - 0 - d. Sand: - 0 -
8. Employee training: (employee name, date, location and subject matter)
WAYNE ENDRE Contracting, 3632 Lake Ave, Wilmette, IL 60091 3782 TR 847-257-3782
9. Distribution of paper materials: (title of document, date and number distributed)
 - a. Homeowner BMP Handout at Village Hall - available to take away
 - b. _____

Newsletter, handouts at meetings, flyers, handouts at Village offices.
10. Workshops/watershed planning and stakeholder meetings: (date, location, subject matter and who attended)
Attendance when possible at North Branch Chicago River Watershed Meetings - Caitlin Burke, GHA
11. Illicit discharge complaints (phone, email, walk in, mail):

*use ID # from outfall inventory

Outfall Inspection Data Form

Village of Golf

Section 1: Background Data

Watershed: Chicago River, N. Branch West Fork		Outfall ID: 001	
Date: April 2017 4.24.17		Time: 4pm	
Temperature: 50		Inspector(s): PJG	
Previous 72 Hours Precipitation: None		Photos Taken (Y/N) Yes	
Land Use in Drainage Area (Check all that apply):		If yes, Photo Numbers: 1	
<input type="checkbox"/> Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Open Space <input type="checkbox"/> Institutional		Other: Golf Course Known Industries:	

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Clay / drain tile <input type="checkbox"/> Other:	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other:	<input type="checkbox"/> Single <input checked="" type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other:	Diameter/ Dimensions: 2x33 in. In Water: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
Open drainage (swale/ditch)	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other:	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	No <input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	Outfall submerged
Deposits/Stains	No <input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	Outfall submerged
Abnormal Vegetation	No <input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	Outfall submerged
Poor pool quality	No <input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	No
Pipe algae/growth	No <input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	No
Do physical indicators suggest an illicit discharge is present (Y/N): No, outfall is in good condition.			
Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If No, Skip to Section 5 and Close Illicit Discharge Investigation	
Flow Description	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Sulfide <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other:	<input type="checkbox"/> 1-Faint	<input type="checkbox"/> 2 - Easily detected	<input type="checkbox"/> 3 - Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1-Faint colors in sample bottle	<input type="checkbox"/> 2 - Clearly visible in sample bottle	<input type="checkbox"/> 3 - Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1-Slight cloudiness	<input type="checkbox"/> 2 - Cloudy	<input type="checkbox"/> 3 - Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Grease <input type="checkbox"/> Other:	<input type="checkbox"/> 1-Few/slight; origin not obvious	<input type="checkbox"/> 2 - Some; indications of origin	<input type="checkbox"/> 3 - Some; origin clear
Do physical indicators (flowing) suggest an illicit discharge is present (Y/N): No, outfall is in good condition - no flow present.					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

None. Outfall is through Golf Course, unusual discharge would be noted by staff/patrons



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

BRUCE RAUNER, GOVERNOR

ALEC MESSINA, DIRECTOR

Category 01

MEMORANDUM

DATE: March 22, 2017
TO: Region File
FROM: Maureen Brehmer, EPE – Des Plaines Office
SUBJECT: Inspection Report on Village of Golf
NPDES Permit No. ILR400200
BOW ID No. W0311080002

cc: DWPC/RU
DWPC/CAS

On September 27, 2016, a MS4 Inspection was conducted at the subject facility. Attached is a copy of the report.



Form Approved
OMB No. 2040-0057
Approval Expires 8-31-98

Transaction Code		NPDES						yr/mo/day			Inspection Type		Inspector		Fac Type																	
1	N	2		3	I	L	R	4	0	0	2	0	0	11	12	1	6	0	9	2	7	18	9	19	S	20	1					
Remarks																																
21																																
66																																
Inspection Work Days				Facility Self-Monitoring Evaluation Rating								BI		QA	Reserved.....																
67				69				70				71				72				73				74				75				80

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) Village of Golf 1 Briar Road Golf, IL 60029	Entry Time/Date 27-Sep-16	Permit Effective Date 03/01/16
	Exit Time/Date 27-Sep-16	Permit Expiration Date 02/28/21
Name(s) of On-Site Representative(s)/Title(s)/ Phone and Fax Number(s) Caitlin Burke, GHA Engineers Patrick Glenn, GHA Engineers	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number Dan Williams, Village President Julianne Nukk, Village Administator <div style="text-align: right;"> Contacted <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </div> 847-998-8852		

Permit	Flow Measurement	Operation & Maintenance	CSO/SSO (Sewer Overflow)
Records/Reports	Self-Monitoring Program	Sludge Handling/Disposal	Pollution Prevention
Facility Site Review	Compliance Schedules	Pretreatment	Multimedia
Effluent/Receiving Waters	Laboratory	Storm Water	<input checked="" type="checkbox"/> Other:MS4

See attached inspection for summary of findings.

Name(s) and Signature(s) of Inspector(s)
Maureen Brehmer, EPE

Agency/Office/Phone and Fax Numbers
IEPA/Des Plaines/(847)294-4000

Date
3/22/2017

Signature of Management Q A Reviewer

Agency/Office/Phone and Fax Numbers
IEPA/Des Plaines/(847)294-4000

Date _____



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

BRUCE RAUNER, GOVERNOR

ALEC MESSINA, DIRECTOR

Inspection Notes

Name: Village of Golf

NPDES Permit No.: ILR400200

BOW ID No.: W0311080002

Date of Inspection: September 27, 2016

Type of Inspection: MS4

Interviewed: Caitlin Burke, GHA Engineers

Patrick J. Glenn, GHA Engineers

Responsible Officials:

Dan Williams, Village President 847-998-8852

Julianne Nukk, Village Administrator 847-998-8852

On September 27, 2016, a MS4 inspection was conducted with Village of Golf environmental consultants. The purpose of the inspection was to review compliance with MS4 permit requirements. The six minimum control measures were discussed and the permit requirement for a storm water management plan was reviewed. Subsequently, the storm water management plan was prepared for the Village of Golf. The Village of Golf is located in the North Branch of the Chicago River Watershed and has a population of approximately 500.

Minimum Control Measures:

The six minimum control measures are outlined as follows in the storm water management plan:

Public Education and Outreach

The Village of Golf has educational brochures available at Village Hall and has links to various websites for the residents to educate themselves. Additional information is outlined in the Stormwater Management Program Plan (SMPP) available on the Village website:
<https://www.villageofgolf.us>

Public Involvement/Participation

The Village of Golf will hold an annual meeting to get input about the SMPP and the MS4 program.

Illicit Discharge and Detention

The Village of Golf has one outfall located at the Glen View Golf Club that discharges to the West Fork of the North Branch of the Chicago River. The Village will annually do a visual check of the outfall. They also have a complaint form and an emergency phone number available on the Village website.

The Village of Golf Ordinance prohibits illicit discharges and contains penalty provisions for illicit discharges.

Construction Site Runoff Control

Construction plans for stormwater management are reviewed by MWRDGC and the Village of Golf. Once MWRDGC issues a permit, the Village gives final approval for construction to start. Village consultants are available to do erosion control inspections. A public comment form is available on the Village website. Building inspections are conducted by the Village of Glenview. Additional details are available in the attached SMPP.

Post Construction Runoff Control

Stormwater runoff is addressed during the site review process by MWRDGC and the Village of Golf. MWRDGC was given authority for general supervision of stormwater management in Cook County by Public Act 93-1049. The MWRDGC watershed ordinance became effective on May 1, 2014 and reduces peak flows and minimizes increased runoff.

Pollution Prevention/Good Housekeeping

The Village of Golf contracts out all of its operations and maintenance. There is off-site storage of salt. The Village participates in the North Branch of the Chicago River Watershed Planning Council.

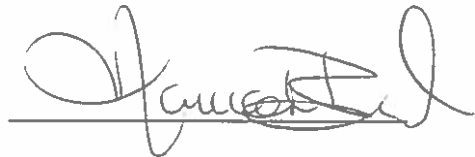
Monitoring, Recordkeeping and Reporting:

The Village of Golf will conduct annual monitoring of the one discharge point into the West Fork of the North Branch of the Chicago River.

The Village has posted the NOI, the Storm Water Management Plan and the Annual Report on their website following this inspection.

Summary:

The Village is in compliance with the requirements of the MS4 permit. The storm water management plan can be updated periodically as different BMPs are met.

A handwritten signature in black ink, appearing to read 'Maureen Brehmer', is written over a horizontal line.

Maureen Brehmer, EPE

Attachment:

Storm Water Management Plan October 27, 2016 (Pages 1 to 12)

STORMWATER MANAGEMENT PROGRAM PLAN



VILLAGE OF GOLF

COOK COUNTY, IL

OCTOBER 27, 2016

Contents

ILR40 Permit Requirements 2

6 Minimum Control Measures 2

1. Public Education and Outreach on Storm Water Impacts 2

2. Public Involvement/Participation 3

3. Illicit Discharge Detection and Elimination (IDDE) 3

4. Construction Site Storm Water Runoff Control 4

5. Post Construction Storm Water Management in New Development and Redevelopment 5

6. Pollution Prevention/Good Housekeeping for Municipal Operations..... 6

Monitoring 7

Recordkeeping 7

Reporting..... 7

Appendices

Appendix A: Annual Schedule of MS4 Activities.....

Appendix B: Educational Materials.....

Appendix C: Village Storm Sewer Atlas

Appendix D: Environmental Justice Maps

Appendix E: Village Codes

Appendix F: Yearly Tracking Form

Appendix G: ILR40 NPDES Permit

ILR40 Permit Requirements

The ILR40 NPDES Permit for MS4s requires that the Village of Golf develop, implement, and enforce a stormwater management program plan (SMPP) designed to reduce the discharge of pollutants from the Village to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 III. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act. The Village's SMPP must include the six minimum control measures, described below.

6 Minimum Control Measures

The 6 minimum control measures to be included in the permittee's storm water management program are described below:

1. *Public Education and Outreach on Storm Water Impacts*

- a. The Village of Golf provides copies of the handout "Make Your Home the Solution to Stormwater Pollution", adapted from the IEPA, at the Village Hall. This handout is included in Appendix B of this SMPP. The Village also maintains a link to the MS4 webpage on its website, located at <http://www.gha-engineers.com/ms4/>, which contains educational links and materials. The following topics are covered by these educational resources:
 - i. Information on effective pollution prevention measures to minimize the discharge of pollutants from private property and activities into the storm sewer system, on the following topics:
 - A. Storage and disposal of fuels, oils and similar materials used in the operation of or leaking from, vehicles and other equipment (SWANCC website);
 - B. Potential impacts/effects on storm water discharge due to climate change;
 - C. Homeowner tips for improving stormwater runoff; and
 - D. Winter de-icing material storage and use.
 - ii. Information about green infrastructure strategies such as green roofs, rain gardens, rain barrels, bioswales, and permeable pavement that mimic natural processes and direct storm water to areas where it can be infiltrated, evaporated or reused:
 - A. EPA webpage "What is Green Infrastructure?"
 - B. Link to "Homeowners Best Practices"
 - C. EPA's Menu of Best Management Practices
 - iii. Information on the benefits and costs of such strategies and provide guidance to the public on how to implement them:
 - A. EPA webpage "What You Can Do: In Your Home"- tips for homeowner best management practices
 - B. EPA webpage "What is Green Infrastructure?"
- b. The Village provides handouts on Best Management Practices (BMPs) most relevant to the Village of Golf. As a measurable goal, the Village of Golf provides educational materials at the Village Hall about the impacts of storm water discharges on water bodies,

and the steps that the public can take to reduce pollutants in storm water runoff. These handouts are available to all residents. The Village also maintains the MS4 webpage [link](#) on its website, as well as a [link](#) to the SWANCC website.

- c. The Village annually evaluates its public education and outreach BMPs and measurable goals, and reports on this evaluation in the Annual Report to the IEPA.

2. Public Involvement/Participation

- a. The Village of Golf complies with State and local public notice requirements when implementing a public involvement/ participation program.
- b. The Village of Golf holds a minimum of one public meeting annually for the public, to provide input on the Village's SMPP and overall MS4 program. During the meeting, the Village Engineer/Consultant will give a presentation on the SMPP, including status of compliance, BMPs and measurable goals that the Village has defined, and results of the visual screening of the outfall. This requirement is met as part of a regularly scheduled board meeting.
- c. The Village of Golf has reviewed environmental justice maps for areas within its jurisdiction. These maps are included in Appendix D. All areas of the Village are weighted equally in terms of environmental and demographic indicators. Information on environmental justice concerns may be found at <http://www.epa.gov/environmentaljustice/>.
- d. The Village annually evaluates its public involvement/participation BMPs and measurable goals, and reports on this evaluation in the Annual Report to the IEPA.

3. Illicit Discharge Detection and Elimination (IDDE)

- a. The Village of Golf has developed a program to detect and eliminate illicit connections or discharges in the MS4, including illegal dumping. The Village has one outfall, which is located at the Glen View Golf Club. This outfall flows directly into the West Fork of the North Branch Chicago River. The IDDE program includes:
 - i. An annual dry weather inspection (visual) of the Village outfall;
 - ii. Coordination with the Golf Club to report any noticeable discharge (odor, sheen, suds, color) flowing from the outfall;
 - iii. A contact/outreach [form](#) on the Village website for the public to report a potential illicit discharge;
 - iv. An emergency phone number on the Village website for reporting potential illicit discharge emergencies/spills/dumping.
- b. The Village of Golf has developed a storm sewer system map, showing the location of the outfall and the location of all waters that receive discharges from those outfalls. The storm sewer system map is updated as necessary, to include any modifications to the sewer system. This storm sewer system map is included in Appendix C.

- c. Non-storm water discharges into the Village's storm sewer system are prohibited by the Village's "Prohibition of Illicit Discharge" Ordinance. As written in the ordinance, a penalty in the form of a fine will be imposed for either cause or permitting of non-stormwater discharges. This ordinance is included in Appendix E.
- d. In addition to its IDDE detection/elimination program and Ordinance, the Village educates public employees, businesses, and the general public about the hazards associated with illicit discharges via handouts at the Village Hall, and educational links on the MS4 webpage, as previously discussed.
- e. The Village annually evaluates its illicit discharge detection and elimination BMPs and measurable goals, and reports on this evaluation in the Annual Report to the IEPA.

4. Construction Site Storm Water Runoff Control

- a. The Village of Golf rarely has a development project that results in an acre or greater of land disturbance. However, when applicable, the Village implements the following procedures for Construction Site Stormwater Runoff Control:
 - i. The Village of Golf complies with the ILR10 NPDES Permit for Storm Water Discharges from Construction Activities, which is applicable for any development or construction activity resulting in a land disturbance greater than or equal to 1 acre.
 - A. All regulated construction sites have a storm water pollution prevention plan (SWPPP) that meets the requirements of the ILR10 Permit, including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual, 2014, or as amended including green infrastructure techniques where practicable;
 - B. Sites requiring a SWPPP will have a signed certification on site, as well as a copy of the permit available;
 - C. Inspections are performed in compliance with the ILR10 permit.
 - ii. The Village of Golf has adopted an ordinance for "Required Plans and Standards for Construction and Demolition" (8-3-5) into its Code, which is included in Appendix E. This includes "detailed plans and specifications for stormwater management, soil sedimentation and erosion control and grading on the subject property...Among other details, the required stormwater management plans shall include:
 - A. Drainage plans and soil erosion control during demolition, if any.
 - B. Stormwater management and soil sedimentation and erosion control during any period of time between completion of demolition and commencement of construction.
 - C. Stormwater management and soil sedimentation and erosion control commencing with preparation for foundation pouring and continuing during the entire construction process until final grading of the subject property."
 - iii. All Cook County communities are governed by the Metropolitan Water Reclamation District of Greater Chicago's (MWRD) Watershed Management Ordinance (WMO), which sets requirements for Erosion and Sediment Control. This is intended to insure that the construction site operator designs, installs, and maintains effective erosion

controls and sediment controls to minimize the discharge of pollutants. Such controls are designed, installed, and maintained to:

- A. Control storm water volume and velocity within the site to minimize soil erosion;
 - B. Control storm water discharges, including both peak flow rates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion;
 - C. Minimize the amount of soil exposed during construction activity;
 - D. Minimize the disturbance of steep slopes;
 - E. Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;
 - F. Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal, and maximize storm water infiltration, unless infeasible; and
 - G. Minimize soil compaction and preserve topsoil, unless infeasible.
- iv. The Village of Golf complies with MWRD's enforcement of the WMO, which requires all waste generated as a result of construction site development (including building waste, concrete truck washout, chemicals, litter, sanitary waste, etc.) to be properly disposed of and prevented from entering the MS4 via stormwater runoff.
 - v. Site plan reviews are conducted for all major developments, which incorporate consideration of potential water quality impacts and site plan review of individual pre-construction site plans by the permittee to ensure consistency with local sediment and erosion control requirements;
 - vi. The Village of Golf maintains a public comment form on the MS4 page on its website, where the public may report on potential stormwater discharges from construction sites.
- b. The Village complies with all requirements of the ILR10 permit and the WMO, and enforces penalties for non-compliance with its erosion control ordinance. The Village engineer is responsible for obtaining from the applicant, copies of all federal, state, and local permits that may be required. The Village engineer will not approve a development plan until all other permits have been obtained.
 - c. The Village annually evaluates its construction site storm water control BMPs and measurable goals, and reports on this evaluation in the Annual Report to the IEPA.

5. Post Construction Storm Water Management in New Development and Redevelopment

- a. For all new development and redevelopment, the Village of Golf supports the MWRD's requirements in the WMO for reduction of the discharge of pollutants and the volume and velocity of storm water flow. The WMO has established standards for post construction stormwater management, including volume control BMPs. The WMO requires a Stormwater Management Submittal be included with the Watershed Management Permit,

which includes following elements (when applicable): Site Runoff Plan, Stormwater Calculations, Base Flood Elevation Determination, Volume Control Plan, and Detention Facility Plan.

- i. The Village of Golf supports the MWRD's enforcement of Permanent Erosion Control Requirements, described in Article 4 of the WMO. Permanent erosion control practices are maintained until permanent stabilization is achieved.
 - ii. A Maintenance and Monitoring Plan Submittal, if required, plan must include all measures appropriate for the post-construction phase. These measures are described in Article 9 of the WMO.
- b. The Village Code 8-3-7: "Commencement of Demolition or Construction", included in Appendix E, requires that construction sites must be full restored in conformance with the approved site restoration plan.
 - c. The Village of Golf ensures that all regulated construction sites have post-construction management plans that meet or exceed the requirements the ILR10 NPDES permit including management practices, controls, and other provisions at least as protective as the requirements contained in the most recent version of the Illinois Urban Manual, 2014.
 - d. The Village annually evaluates its post-construction storm water management BMPs and measurable goals, and reports on this evaluation in the Annual Report to the IEPA.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

- a. The Village of Golf contracts out all of its operation and maintenance activities. Currently the only maintenance activity that takes place in the Village is snow removal and de-icing. Since roadway de-icing is performed by a contractor, de-icing materials are stored off site in a permanent storage facility. No de-icing materials are stored within the Village. No vehicle or equipment maintenance or washing occurs within the Village.
- b. The Village of Golf has identified chloride as a pollutant of concern in the West Fork North Branch of the Chicago River. The Village implements various BMPs to reduce salt usage on roadways, to reduce the amount of chloride entering the waterway. The Village accomplishes this through:
 1. Participation in North Branch of the Chicago River Watershed Planning Council (WPC) meetings, where chloride reduction strategies and updates are routinely discussed;
 2. Provide contractor with the "Winter Parking Lot and Sidewalk Maintenance Manual" who will provide a statement that they have read the manual and will incorporate BMPs into their de-icing practices.
 3. Contractor attends De-Icing Workshop when possible.
 4. Tracking salt usage annually using the tracking form included in Appendix F.
- c. The Village annually evaluates its pollution prevention/good housekeeping for municipal operations BMPs and measurable goals, and reports on this evaluation in the Annual Report to the IEPA.

Monitoring

The Village of Golf's plan for monitoring/evaluation is described in the Annual Report. Evaluation and/or monitoring results are provided in the Annual Report. The monitoring and assessment program includes direct water quality monitoring as follows:

1. The Village monitors the effectiveness of its storm water control measures/BMPs and progress towards the MS4's goals through the following process:
 - a. Since the Village of Golf has a population of less than 25,000, the Village conducts visual observations of the storm water discharge documenting color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, or other obvious indicators of storm water pollution. The location of this visual observation is at the Village of Golf's only outfall, located at the Glen View Golf Course.

Recordkeeping

The Village maintains copies of the last 5 Annual Reports located on the MS4 webpage, on the Village website. The NOI and SMPP are also included on the Village website. All records are kept at the Village Hall and are accessible to the Agency for review at the time of an on-site inspection. These records are also available to the public at reasonable times during regular business hours. The permittee may require a member of the public to provide advance notice, in accordance with the applicable Freedom of Information Act requirements.

Reporting

The Village of Golf submits its Annual Report to the Agency by the first day of June for each year that this permit is in effect. A copy of the Annual Report is posted on the website by the first day of June of each year. Each Report shall cover the period from March of the previous year through March of the current year. Annual Reports are maintained on the Village website for a period of 5 years. The Report includes:

- An assessment of the appropriateness and effectiveness of the Village's identified BMPs and progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable, and the Village's identified measurable goals for each of the minimum control measures;
- The status of compliance with permit conditions, including a description of each incidence of non-compliance with the permit, and the Village's plan for achieving compliance with a timeline of actions taken or to be taken;
- Results of information collected and analyzed, including outfall and water quality monitoring data, during the reporting period;
- A summary of the storm water activities the Village plans to undertake during the next reporting cycle, including an implementation schedule;
- A change in any identified BMPs or measurable goals that apply to the program elements;
- Provide an updated summary of any BMP or adaptive management strategy constructed or implemented pursuant to any approved TMDL or alternate water quality management study. Use the results of your monitoring program to assess whether the W LA or other performance requirements for storm water discharges from your MS4 are being met.

Appendix A: Annual Schedule of MS4 Activities

Year 14 (March 2016 – February 2017) MS4 Schedule

Dates	Activity
March – May 2016	Compile all Year 13 Monthly Tracking Information (Municipal Operations)
	Draft Year 13 Annual Report
	Village begins Year 14 Tracking (Municipal Operations)
June 1, 2016	Year 13 Annual Report due to IEPA, post on website
Summer 2016	Visual Dry Weather Outfall Screening
	Water Quality Inspection
Fall 2016	Presentation to Village Board & Public
	Contractor Attends De-Icing Workshop
Winter 2016/17	Continue Year 14 Monthly Tracking
March – May 2017	Compile all Year 14 Monthly Tracking Information (Municipal Operations)
	Draft Year 14 Annual Report
June 1, 2017	Year 14 Annual Report due to IEPA, post on website

Appendix B: Educational Materials

The educational handout located in this section is provided in hard copy form at the Village Hall, for residents to take and use. Please also see the MS4 webpage, located at www.gha-engineers.com/ms4 for additional online educational resources.

Make Your Home the Solution to Stormwater Pollution!

As stormwater flows over driveways, lawns, and sidewalks, it picks up debris, chemicals, dirt, and other pollutants. Stormwater can flow into a storm sewer system or directly into a lake, stream, river, or wetland. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water. Polluted runoff is the nation's greatest threat to clean water

By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings, and automotive fluids off the ground and out of stormwater. Adopt these healthy household habits and help protect lakes, streams, rivers, and wetlands. Remember to share the habits with your neighbors!



A homeowner's guide to healthy habits for clean water

Lawn and Garden

- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Avoid application if the forecast calls for rain; otherwise, chemicals will be washed into your local stream.
- Select native plants and grasses that are drought and pest resistant. Native plants require less water, fertilizer, and pesticides.
- Sweep up yard debris, rather than hosing down areas. Compost or recycle yard waste when possible.
- Don't overwater your lawn. Water during the cool times of the day, and don't let water run off into the storm drain.
- Cover piles of dirt and mulch being used in landscaping projects to prevent these pollutants from blowing or washing off your yard and into local waterbodies. Vegetate bare spots in your yard to prevent soil erosion.

Vehicle and Garage

- Use a commercial car wash or wash your car on a lawn or other unpaved surface to minimize the amount of dirty, soapy water flowing into the storm drain.
- Check your car, boat, motorcycle, and other machinery and equipment for leaks and spills. Make repairs as soon as possible. Clean up spilled fluids with an absorbent material like kitty litter or sand, and don't rinse the spills into a nearby storm drain. Remember to properly dispose of the absorbent material.
- Recycle used oil and other automotive fluids at participating service stations. Don't dump these chemicals down the storm drain or dispose of them in your trash.
- Properly store pool and spa chemicals to prevent leaks and spills, preferably in a covered area to avoid exposure to stormwater.
- Store salt for de-icing in a covered area, in an airtight container to maintain maximum effectiveness. Use sparingly - about a handful of rock salt per square yard.



Pet Care

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method.
- Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.



Swimming Pool and Spa

- Drain your swimming pool only when a test kit does not detect chlorine levels.
- Whenever possible, drain your pool or spa into the sanitary sewer system.
- Properly store pool and spa chemicals to prevent leaks and spills, preferably in a covered area to avoid exposure to stormwater.

Home Repair and Improvement

- Before beginning an outdoor project, locate the nearest storm drains and protect them from debris and other materials.
- Sweep up and properly dispose of construction debris such as concrete and mortar.
- Use hazardous substances like paints, solvents, and cleaners in the smallest amounts possible and follow the directions on the label. Clean up spills immediately and dispose of waste safely. Store substances properly to avoid leaks and spills.
- Purchase and use nontoxic, biodegradable, recycled, and recyclable products whenever possible.
- Clean paint brushes in a sink, not outdoors, filter and reuse paint thinner when using oil based paints. Properly dispose of the excess paints through a household hazardous waste collection program, or donate unused paint to local organizations.
- Reduce the amount of paved area and increase the amount of vegetated areas in your yard. Use native plants in you landscaping to reduce the need for watering during dry periods. Consider directing downspouts away from paved surfaces onto lawns and other measures to increase infiltration and reduce polluted runoff.

Septic System Use and Maintenance

- Have your septic system inspected by a professional at least every 3 years, and have the septic tank pumped as necessary (usually every 3 to 5 years).
- Care for the septic system drainfield by not driving or parking vehicles on it. Plant only grass over and near the drainfield to avoid damage from roots.
- Flush responsibly. Flushing household chemicals like paint, pesticides, oil, and antifreeze can destroy the biological treatment taking place in the system.
- Other items, such as diapers, paper towels, and cat litter, can clog the septic system and potentially damage components.



For more information, visit

www.gha-engineers.com/ms4

or

<https://www.villageofgolf.us/>

To report pollution of the storm system, go to the website listed on this page or call the Golf Police (non-emergency) at (847) 998-8857

Remember: Only rain down the drain!

Village of Golf
1 Briar Road
Golf, IL 60029

Appendix C: Village Storm Sewer Atlas

The Village of Golf Storm Sewer Atlas is updated and revised as necessary.

Appendix D: Environmental Justice Maps

1. Particulate Matter
2. Diesel Particulate Matter
3. Respiratory Hazard Index
4. Lead Paint Indicator (Homes Built Before 1960)
5. Traffic Proximity
6. Water Discharge Proximity

Appendix E: Village Codes

7-3-3: Prohibition of Illicit Discharge

8-3-5: Additional Required Plans and Standards (for Construction & Demolition)

8-3-6: Site Management Standards

8-3-7: Commencement of Demolition or Construction

Appendix F: Yearly Tracking Form

This form is used for tracking municipal activities and operations.

Appendix G: ILR40 NPDES Permit

The updated NPDES Permit ILR40 became effective on March 1, 2016.