Illinois Environmental Protection Agency

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

Notice of Intent for New or Renewal of General Permit for Discharges from Small Municipal Separate Storm Sewer Systems - MS4's

Part I. General Information

1. MS 4 Operator Name: Village of Glencoe
2. MS4 Mailing Address: 675 Village Court
   City: Glencoe State: IL
3. Operator Type: Village Other:
4. Operator Status: Local Other:
5. Name(s) of governmental entity(ies) in which MS4 is located:

   Cook County

6. Area of land that drains to your MS4 in square miles: 3.79
7. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:

   Latitude: 42 Degrees 8 Minutes: 5.1174 Seconds:

   Longitude: -87 Degrees: 45 Minutes: 50.5368 Seconds:

8. Name(s) of known receiving waters

   Lake Michigan

   East Diversion Ditch of the Skokie Lagoons

9. Persons responsible for implementation or coordination of Stormwater Management Program:

Name: Anna M. Kesler, P.E. Title: Village Engineer Phone: 847-461-1119

Area of Responsibility: Engineering

Name: Title: Phone:

Area of Responsibility:

Part II. Best Management Practices (include shared responsibilities) which have been implemented or are proposed to be implemented in the MS4 area:

A. Public Education and Outreach

Qualifying Local Programs:

A.1 - Notice regarding pool pumping procedures - Fall 2017 Quarterly
A.1 - Notice regarding driveway sealant products - Summer 2017 Quarterly
A.1 - Notice regarding Park District's Installation of bio-swales - Fall Quarterly
A.4 - Annual Earth Day Cleanup
A.6 - No Dumping of Pet waste signs at storm inlets

Measurable Goals (include shared responsibilities)

☒ A.1 Distributed Paper Material

Brief Description of BMP:

Glencoe Quarterly - The Village publishes a quarterly newsletter which is distributed to all Village residents and businesses. Within the publication, often appear articles related to educating the public on items directly relating to stormwater runoff and storm water quality.

Measurable Goals, including frequencies:

Develop a permanent publication, either new or as part of the current, to be completely dedicated to the subject of stormwater management, runoff, and quality withing the next calendar year.

Milestones:

Go to Additional Pages

Year 1:

Fall 2017 - publication regarding the necessity of dechlorination of pool water prior to discharge into the Village's storm sewer.
Fall 2017 - publication regarding the Glencoe Park District's installation of bioswales at the Takiff Center.
Summer 2017 - publication educating the public about driveway sealants and their effects on stormwater quality.

Year 2:

Increase frequency of publications related to stormwater runoff and water quality.

Year 3:

Increase frequency of publications related to stormwater runoff and water quality.

Year 4:

Increase frequency of publications related to stormwater runoff and water quality.

Year 5:

Increase frequency of publications related to stormwater runoff and water quality.

☐ A.2 Speaking Engagement

☐ A.3 Public Service Announcement

☒ A.4 Community Event

Brief Description of BMP:

Earth Day Cleanup - Partnership between the Village of Glencoe, the Glencoe Park District, and the Glencoe School District where staff works with student and parent volunteers to pick up trash and debris that would otherwise end up in the Village's storm sewer system.

Measurable Goals, including frequencies:

Continue to participate in an annual Earth-Day cleanup event. Additional goals for the Village include increased awareness of the even and increased participation from

Milestones:

Year 1:

Partnered with approximately 80 student/parent volunteers to clean six sites Village wide.

Year 2:

Increase awareness through publication and expand public participation

Year 3:

Increase awareness through publication and expand public participation

Year 4:

Increase awareness through publication and expand public participation

Year 5:

Increase awareness through publication and expand public participation

Go to Additional Pages

☐ A.5 Classroom Education Material

☒ A.6 Other Public Education (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Dump No Pet Waste Signs - In direct response to repeatedly contaminated storm inlets, the Village has printed and installed signs at storm sewer inlets. Public Works staff monitors inlets, while performing other maintenance cleanings, to look for pet waste debris dumping.

Measurable Goals, including frequencies:

It is the goal of the Village to deter offenders from dumping pet wastes into the Village's open grate sewer inlet points. With increased public awareness, the Village hopes to eliminate all public dumping of pet waste of the next years.

Milestones:

Year 1:

Installation of No-Pet Wase Dumping signs at storm sewer inlet locations.

Year 2:

Continue public awareness campaign regarding pet waste. Continue to monitor sites for pet waste.

Year 3:

Continue public awareness campaign regarding pet waste. Continue to monitor sites for pet waste.

Year 4:

Continue public awareness campaign regarding pet waste. Continue to monitor sites for pet waste.

Year 5:

Continue public awareness campaign regarding pet waste. Continue to monitor sites for pet waste.

Go to Additional Pages

B.Public Participation/Involvement

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

B.6 - Electronics recycling program
B.7 - Semi-annual Clean-Up Day

- ☐ B.2 Educational Volunteer
- ☐ B.3 Stakeholder Meeting
- ☐ B.4 Public Hearing
- ☐ B.5 Volunteer Monitoring
- ☒ B.6. Program Involvement (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Electronics Recycling Program - To prevent improper disposal of items that could leach chemicals into receiving waters and ground water, the Village has began a in-house recycling collection of such items. Acceptable items may be dropped off at the

Measurable Goals, including frequencies:

The Village will continue to provide in-house recycling services to residents and businesses. The Village will aim to increase public awareness of this program via increased marketing on all platforms (both physical and electronic).

Milestones:

Year 1:

Continue to provide recycling services for non-traditional recyclables. Increase public awareness.

Year 2:

Continue to provide recycling services for non-traditional recyclables. Increase public awareness.

Year 3:

Continue to provide recycling services for non-traditional recyclables. Increase public awareness.

Year 4:

Continue to provide recycling services for non-traditional recyclables. Increase public awareness.

Year 5:

Continue to provide recycling services for non-traditional recyclables. Increase public awareness.

Go to Additional Pages

- ☒ B.7 Other Public Involvement (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Semi - Annual Cleanup Day - In an effort to prevent rouge dumping of unwanted items which do not qualify for traditional garbage pickup, the Village has implemented a Village-wide semi-annual clean-up day. This program focuses on disposal of

Measurable Goals, including frequencies:

The Village keeps a tally of the quantity of items collected. Total tonnage for the last five years has been between 110 to 130 tons per pickup. The Village will continue to track the quantity of items picked up and monitor for any major fluctuations.

Milestones:

Year 1:

Program was revamped from a once annual pick up day to a semi-annual pickup day, increasing the quantity of items able to be picked up.

Year 2:

Increase awareness and participation in semi-annual clean up program.

Year 3:

Increase awareness and participation in semi-annual clean up program.

Year 4:

Increase awareness and participation in semi-annual clean up program.

Year 5:

Increase awareness and participation in semi-annual clean up program.

Go to Additional Pages

C. Illicit Discharge Detection and Elimination

Qualifying Local Programs:

C.1 - Continuous storm sewer mapping updates in GIS
C.2 - Permitting required for swimming pool pumping, includes regulation regarding flow rate and water quality.
C.2 - New single family construction requirements - overhead sewers
C.2 - Separate storm and sanitary services
C.7 - Annual storm outfall inspections.
C.8 - Annual storm outfall inspections
C.10 - Rehabilitation of public sanitary sewers to prevent sanitary sewer overflows.

Measurable Goals (include shared responsibilities)

☒ C.1 Sewer Map Preparation (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Mapping Updates - The Village is consistently updating the storm sewer collection system network in GIS. As the Village's operations crews work on storm sewer maintenance, mapping updates are noted and brought back to the GIS technician for electronic updates.

Measurable Goals, including frequencies:

Mapping updates are a continuous effort by multiple departments throughout the Village. Weekly meetings are scheduled between the sewer operations crew, the Engineering Division, and the GIS technician to discuss changes found in the filed and have them properly recorded in GIS.

Milestones:

Year 1:

Developed process of weekly interdepartmental meeting to discuss and record mapping updated. Identified all public storm sewer outfall locations

Year 2:

Weekly meeting will occur in perpetuity. Process will be re-evaluated to note whether more frequent meetings would be warranted.

Year 3:

Weekly meeting will occur in perpetuity. Process will be re-evaluated to note whether more frequent meetings would be warranted.

Year 4:

Weekly meeting will occur in perpetuity. Process will be re-evaluated to note whether more frequent meetings would be warranted.

Year 5:

Weekly meeting will occur in perpetuity. Process will be re-evaluated to note whether more frequent meetings would be warranted.

Go to Additional Pages

☒ C.2 Regulatory Control Program (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Pool Pumping Permitting - Pool pumping requires a permit from the Village. Contractor must be licensed with the Village to perform pool pumping activities. Next, contractor must submit a Village-provided compliance form, documenting the chlorine concentration and pH levels of the pool water before water may be discharged into the Village's storm sewer. Chlorine levels must be 0 ppm, pH levels must be between 6.5-8.5.

Measurable Goals, including frequencies:

The Village plans to initiate electronic tracking of pool pumping permits via the GIS platform. Over time, this process will allow the Village to keep track of which properties did not apply for an annual permit; Village staff may be able to follow up to encsure compliance with Village pool pumping standards.

Milestones:

Year 1:

The Village processed pool pumping permits for 208 properties from June 2017- May 2018

Year 2:

Continue to monitor the quantity of pool pumping permits annually. Incorporate data tracking of permits in GIS to be able to query which properties did not apply for permits.

Year 3:

Monitor quantity of pool pumping permits.

Year 4:

Monitor quantity of pool pumping permits.

Year 5:

Monitor quantity of pool pumping permits.

Go to Additional Pages

- ☐ C.3 Detection/Elimination Prioritization Plan
- ☐ C.4 Illicit Discharge Tracing Procedures
- ☐ C.5 Illicit Source Removal Procedures
- ☐ C.6 Program Evaluation and Assessment
- ☒ C.7 Visual Dry Weather Screening (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Annual storm sewer outfall inspections - Public works crew perform annual inspections of all 68 storm sewer outfall locations.

Measurable Goals, including frequencies:

Outfall inspections conducted during dry weather will look for any flow. If flow is observed, the following data is collected: temperature, pH, conductivity, ammonia, chlorine, dissolved oxygen, odor, and color. If any parameterless are found to be outside of acceptable range, staff will attempt to trace the source of the illicit discharge.

Milestones:

Year 1:

Developed a comprehensive outfall inspection program. Identified all public storm sewer outfall locations throughout the Village, total of 68. Updated GIS mapping of outfall locations accordingly. Collected physical data of the outfalls (location - latitude/longitude, pipe sizes, pipe materials, pipe shape). Collected data on any dry weather discharges observed at the time of inspection. No illicit discharges were identified between June 2017-May 2018.

Year 2:

Continue with dry weather outfall inspections. Record any illicit discharge findings. Conduct tracing inspections to identify illicit discharge locations.

Year 3:

Continue with dry weather outfall inspections. Record any illicit discharge findings. Conduct tracing inspections to identify illicit discharge locations.

Year 4:

Continue with dry weather outfall inspections. Record any illicit discharge findings. Conduct tracing inspections to identify illicit discharge locations.

Year 5:

Continue with dry weather outfall inspections. Record any illicit discharge findings. Conduct tracing inspections to identify illicit discharge locations.

Go to Additional Pages

☒ C.8 Pollutant Field Testing (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Annual storm sewer outfall inspections - inspections of outfalls were conducted during wet weather. Samples of discharge water were collected and tested. The following data was collected: temperature, pH, conductivity, ammonia, chlorine, dissolved oxygen, odor, and color.

Measurable Goals, including frequencies:

Samples of discharge water were collected and tested. The following data was collected: temperature, pH, conductivity, ammonia, chlorine, dissolved oxygen, odor, and color.

Milestones:

Year 1:

Wet weather inspections were conducted at all 68 storm sewer outfall locations. No illicit discarges were detected between June 2017 and May 2018.

Year 2:

Continue with wet weather outfall inspections. Record any illicit discharge findings. Conduct tracing inspections to identify illicit discharge locations.

Year 3:

Continue with wet weather outfall inspections. Record any illicit discharge findings. Conduct tracing inspections to identify illicit discharge locations.

Year 4:

Continue with wet weather outfall inspections. Record any illicit discharge findings. Conduct tracing inspections to identify illicit discharge locations.

Year 5:

Continue with wet weather outfall inspections. Record any illicit discharge findings. Conduct tracing inspections to identify illicit discharge locations.

Go to Additional Pages

☐ C.9 Public Notification

☒ C.10 Other Illicit Discharge Controls (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Rehabilitation of public sanitary sewers to prevent sanitary sewer overflows - The Village has begun a comprehensive investigation program of the public sanitary sewer collection system to identify and rehabilitate defects which allow clear water to enter the sanitary sewer, which may lead to sanitary sewer overflows.

Measurable Goals, including frequencies:

The Village keeps track of sanitary sewer overflows and basement backups which occur during rain events. Concurrently, the Village is investigating and tracking known defects withing the sanitary sewers and sanitary manholes which allow clear water to enter. As the sanitary sewer collection system is rehabilitated, keeping clear water out of the system, the Village will track the decreases in basement backups and sanitary sewer overflows.

Milestones:

Year 1:

The Village conducted smoke testing and CCTV investigations on approximately 13% of the sanitary mainline sewers. Rehabilitation recommendations have been assembled, to be constructed later this year. As rehabilitation is completed, monitor

Year 2:

Sanitary sewer investigation will continue with sanitary manhole investigations and dyed water flooding (to investigate cross-connections between the storm sewers and sanitary sewers).

Year 3:

Continue to monitor sanitary sewer overflows and basement backups. Continue investigations of the sanitary sewer collection system. Identify clear water inflow and infiltration sources. Rehabilitate defects in sanitary sewer collection system. Monitor decrease in sanitary sewer overflows and basement backups.

Year 4:

Continue to monitor sanitary sewer overflows and basement backups. Continue investigations of the sanitary sewer collection system. Identify clear water inflow and infiltration sources. Rehabilitate defects in sanitary sewer collection system. Monitor decrease in sanitary sewer overflows and basement backups.

Year 5:

Continue to monitor sanitary sewer overflows and basement backups. Continue investigations of the sanitary sewer collection system. Identify clear water inflow and infiltration sources. Rehabilitate defects in sanitary sewer collection system. Monitor decrease in sanitary sewer overflows and basement backups.

Go to Additional Pages

D. Construction Site Runoff Control

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

D.2 - Village's Steep Slope Ordinance
D.4 - Site Development Checklist - includes a section specifically about erosion control, spoils storage, concrete washout areas.
D.4 - Single family home - stormwater detention requirements
D.5 - Public Records available via Freedom of Information Act
D.6 - Steep Slope Ordinance

☐ D.1 Regulatory Control Program

☒ D.2 Erosion and Sediment Control BMPs (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Steep Slope Ordinance - the Village has developed a comprehensive steep slope ordinance (Chapter 9 ,Article XV) to regulate construction, stormwater runoff, and slope stability on the Village's ravine and bluff properties.

Measurable Goals, including frequencies:

Goals of the ordinance include, "Discouraging development that threatens the stability of steeply sloped terrain," and "Reducing uncontrolled storm water runoff, soil erosion, and mud slides by minimizing grading, encouraging the preservation of trees and other vegetation, and, where necessary, requiring revegetation." These goals are measured by requiring the following construction techniques: Minimizing disruption or alteration of natural drainage ways; Minimizing the time during which areas are bare and exposed;Designing and properly locating structures so that structure's weight does not negatively impact slope stability; Controlled runoff. Concentrated runoff from impervious surfaces shall be collected and transported in a pipe or other approved manner to a municipal storm sewer system, if available; Water discharge into steep slope. Whenever stormwater is transported across a property for discharge into a sleep slope zone, the conveyance pipes shall be of non-segmented (continuous sections of minimum 100 ft.) pipe material, which shall be installed below ground by directional boring where possible; Discharge point stabilization. Natural drainage ways shall be stabilized by landscape integration and rip-rap or other means consistent with sound professional engineering practice, to a distance below drainage and culvert discharge points sufficient to convey the discharge without channel erosion and in such a manner as to dissipate the energy of the discharge as approved by the Director of Public Works; Energy dissipater. All outflow from a stormwater conveyance pipe must discharge into an energy dissipater.

Milestones:

Year 1:

Three properties which abut bluff/ravine slopes were reviewed by the Village between June 2017 and May 2018. All plan sets were reviewed to ensure compliance with the Village's steep slope ordinance.

Year 2:

Any site developed plans which include bluff or ravine slopes will continue to be reviewed for compliance with the steep slope ordinance.

Year 3:

Any site developed plans which include bluff or ravine slopes will continue to be reviewed for compliance with the steep slope ordinance.

Year 4:

Any site developed plans which include bluff or ravine slopes will continue to be reviewed for compliance with the steep slope ordinance.

Year 5:

Any site developed plans which include bluff or ravine slopes will continue to be reviewed for compliance with the steep slope ordinance.

Go to Additional Pages

☐ D.3 Other Waste Control Program

☒ D.4 Site Plan Review Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Site Development Checklist - All site development plans are reviewed for compliance with the Village's Site Development Checklist. As part of the Development Site Management Plan, erosion control measures must be addressed. These items include installation of silt fencing, inlet protection, coir wattles, and erosion control blanket. Additional measures include temporary seeding of bare soils, establishment of a stabilized construction entrance, and providing for a concrete washout area.

Measurable Goals, including frequencies:

Each of the above erosion control measures is inspected upon initial installation. Continued monitoring of erosion control measures occurs throughout the span of construction.

Milestones:

Year 1:

Between June 2017 and May 2018, 49 single family site development plans were reviewed by Village staff. All site development plans were reviewed for compliance with the Village's Site Developement Checklist.

Year 2:

All future site development plans will be reviewed for compliance with the Village's Site Development Checklist.

Year 3:

All future site development plans will be reviewed for compliance with the Village's Site Development Checklist.

Year 4:

All future site development plans will be reviewed for compliance with the Village's Site Development Checklist.

Year 5:

All future site development plans will be reviewed for compliance with the Village's Site Development Checklist.

Go to Additional Pages

☒ D.5 Public Information Handling Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Public Records available via Freedom of Information Act

Measurable Goals, including frequencies:

Village documents are public record as allowed by the Freedom of Information Act (FOIA). Upon submission of a FOIA request, staff reviews the request and responds accordingly within the required response time frame. Quantity of FOIA responses are recoded by the Village's Deputy Clerk.

Milestones:

Year 1:

Respond to FOIA requests as required within the the allotted time frame. Record the number inquiries with the Village's Deputy Clerk.

Year 2:

Respond to FOIA requests as required within the the allotted time frame. Record the number inquiries with the Village's Deputy Clerk.

Year 3:

Respond to FOIA requests as required within the the allotted time frame. Record the number inquiries with the Village's Deputy Clerk.

Year 4:

Respond to FOIA requests as required within the the allotted time frame. Record the number inquiries with the Village's Deputy Clerk.

Year 5:

Respond to FOIA requests as required within the the allotted time frame. Record the number inquiries with the Village's Deputy Clerk.

Go to Additional Pages

☒ D.6 Site Inspection/Enforcement Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

The Village's steep slope ordinance allows for the Village to enforce and levy fines for non-compliance (9-121).

Measurable Goals, including frequencies:

As development occurs, and established inspections are conducted, the Village inspector can note any violations of the Village's steep slope ordinance. Should any violations be observed, the Village may fine and/or issue a stop-work order until the violation is addressed.

Milestones:

Year 1:

The Village tracks any instances of violators and tracks the quantity of fines leveed.

Year 2:

The Village will continue to track any instances of violators and track the quantity of fines leveed.

Year 3:

The Village will continue to track any instances of violators and track the quantity of fines leveed.

Year 4:

The Village will continue to track any instances of violators and track the quantity of fines leveed.

Year 5:

The Village will continue to track any instances of violators and track the quantity of fines leveed.

Go to Additional Pages

☐ D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Qualifying Local Programs:

E.2 - Maximum hardscape allowances on non-major construction.
E.2 - Tree Preservation Ordinance
E.3 - Storm Sewer cleaning/ Catch Basin cleaning/ Storm sewer CCTV

Measurable Goals (include shared responsibilities)

☐ E.1 Community Control Strategy

☒ E.2 Regulatory Control Program

Brief Description of BMP:

Total Impervious Area limitations - Total allowable hardscape quantities are tracked in perpetuity for an individual parcel. Should a secondary development phase be brought to the Village for permitting, total impervious calculations must be provided. Stormwater detention requirements (per Village code 9-83) apply.

Measurable Goals, including frequencies:

Impervious calculations must be submitted with permit submittal. Calculations are kept on record in the house file for that property address. Any subsequent construction must continue to comply with Village ordinance (9-83) and submit calculations.

Milestones:

Year 1:

Require the submittal of total impervious area calculations. Stormwater detention requirements applicable for all subsequent construction.

Year 2:

Require the submittal of total impervious area calculations. Stormwater detention requirements applicable for all subsequent construction.

Year 3:

Require the submittal of total impervious area calculations. Stormwater detention requirements applicable for all subsequent construction.

Year 4:

Require the submittal of total impervious area calculations. Stormwater detention requirements applicable for all subsequent construction.

Year 5:

Require the submittal of total impervious area calculations. Stormwater detention requirements applicable for all subsequent construction.

Go to Additional Pages

☒ E.3 Long Term O & M Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Storm Sewer cleaning/ Catch Basin cleaning/ Storm sewer CCTV - Village staff routinely perform cleaning and televising activities on the Village's storm sewer mainlines, catch basins, and manholes.

Measurable Goals, including frequencies:

Village staff keeps detailed records of the locations and quantities of storm sewer infrastructure cleaned. Storm sewers are televised when cleaning operations indicate an encounter that needs to be viewed. Any identified obstructions are addressed at the time of discovery. Should construction debris be found in the storm sewers near a recently completed construction project, Village staff will address the appropriate responsible parties.

Milestones:

Year 1:

Between June 2017 and May 2018, Village staff cleaned 36,341 feet of storm sewer mainlines and vacuumed out 297 storm structures.

Year 2:

The Village will continue to track the quantiles of Village storm sewer infrastructure clean and televised.

Year 3:

The Village will continue to track the quantiles of Village storm sewer infrastructure clean and televised.

Year 4:

The Village will continue to track the quantiles of Village storm sewer infrastructure clean and televised.

Year 5:

The Village will continue to track the quantiles of Village storm sewer infrastructure clean and televised.

Go to Additional Pages

- ☐ E.4 Pre-Construction Review of BMP Designs
- ☐ E.5 Site Inspections During Construction
- ☐ E.6 Post-Construction Inspections
- ☐ E.7 Other Post-Construction Runoff Controls

F. Pollution Prevention/Good Housekeeping

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

F.2 - Storm structure cleaning/Storm sewer mainline cleaning/Storm sewer CCTV
F.4 - Street sweeping and Leaf collection
F.4 - Solid waste receptacle requirements/Accumulation of waste prohibitions
F.5 - Hazardous Waste Storage
F.6 - Salt storage and distribution
F.6 - Spill Prevention Contamination and Countermeasures Plan

- ☐ F.1 Employee Training Program
- ☒ F.2 Inspection and Maintenance Program (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Storm structure cleaning/Storm sewer mainline cleaning/Storm sewer CCTV - Village operations staff routinely cleans storm sewer structures (manholes, inlets, and catch basins) and storm sewer mainlines. Televising of storm sewers is also utilised when cleaning operations indicate a visual inspection is needed.

Measurable Goals, including frequencies:

Village staff maintains records of daily quantities of storm sewer structures and mainlines cleaned. Records of the amount of storm sewer televised is also recorded.

Milestones:

Year 1:

Between June 2017 and May 2018, Village staff cleaned 36,341 feet of storm sewer mainlines and vacuumed out 297 storm structures.

Year 2:

The Village will continue to track the quantiles of Village storm sewer infrastructure clean and televised.

Year 3:

The Village will continue to track the quantiles of Village storm sewer infrastructure clean and televised.

Year 4:

The Village will continue to track the quantiles of Village storm sewer infrastructure clean and televised.

Year 5:

The Village will continue to track the quantiles of Village storm sewer infrastructure clean and televised.

Go to Additional Pages

☐ F.3 Municipal Operations Storm Water Control

☒ F.4 Municipal Operations Waste Disposal (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Street sweeping and Leaf collection - Village staff has established routes for street sweeping and leaf collection. Both operations decrease the amount of solid debris and organics entering the storm sewer collection system.

Measurable Goals, including frequencies:

Village staff maintains records of the total daily quantities of streets swept and areas of daily (seasonal) leaf collection.

Milestones:

Year 1:

Maintain daily records or street sweeping and leaf collection quantities.

Year 2:

Maintain daily records or street sweeping and leaf collection quantities.

Year 3:

Maintain daily records or street sweeping and leaf collection quantities.

Year 4:

Maintain daily records or street sweeping and leaf collection quantities.

Year 5:

Maintain daily records or street sweeping and leaf collection quantities.

Go to Additional Pages

☒ F.5 Flood Management/Assess Guidelines (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Hazardous Waste Storage - Village Ordinance (9-101) regualates public health standards via, "No developments in the SFHA shall include locating or storing chemicals, explosives, buoyant materials, animal wastes, fertilizers, flammable liquids, pollutants or other hazardous or toxic materials below the flood protection elevation." This ordinance focuses on the elimination of hazardous waste leeching during rain event in mapped floodplain areas.

Measurable Goals, including frequencies:

Via Ordinance 9-101, "All buildings located within a 100-year floodplain shall be protected from flood damage below the flood protection elevation. Existing buildings located within a regulatory floodway also shall meet the more restrictive appropriate use standards included in § 9-99. "

Any proposed development in a flood plain area is reviewed for compliance with this ordinance. The Village shall continue to require compliance with this ordinance.

Milestones:

Year 1:

No home within a floodplain area were developed between June 2017 - May 2018.

Year 2:

The Village will ensure compliance with all applicable floodplain ordinances should a development be proposed in a floodplain area.

Year 3:

The Village will ensure compliance with all applicable floodplain ordinances should a development be proposed in a floodplain area.

Year 4:

The Village will ensure compliance with all applicable floodplain ordinances should a development be proposed in a floodplain area.

Year 5:

The Village will ensure compliance with all applicable floodplain ordinances should a development be proposed in a floodplain area.

Go to Additional Pages

☒ F.6 Other Municipal Operations Controls (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Salt storage - The Village stores all salt used for winter de-icing in a covered storage area, to ensure salt is not exposed to the elements.

Measurable Goals, including frequencies:

Covered salt storage prevents salt drift (from wind) and leaching (from rain/snow precipitation) into the Village's storm sewer system and nearby open waterways.

Milestones:

Year 1:

No salt drift nor leeching occurred during the period of June 2017 to May 2018.

Year 2:

Village staff will continue to protect salt from drift and leeching.

Year 3:

Village staff will continue to protect salt from drift and leeching.

Year 4:

Village staff will continue to protect salt from drift and leeching.

Year 5:

Village staff will continue to protect salt from drift and leeching.

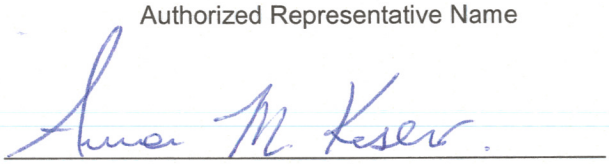
Go to Additional Pages

Part III. Certification

I certify under penalty of law that this document an all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fines and imprisonment.

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)).

Anna M. Kesler, P.E.	Village Engineer	06/01/2018
Authorized Representative Name	Title	Date



Authorized Representative Signature

You may complete this form online and save a copy locally before printing and signing the form. It should then be sent to:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Attn: Permit Section
P.O. Box 19276
1021 North Grand Avenue East
Springfield, IL 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (2000). Failure to do so may prevent this form from being processed and could result in your application being denied.

Additional Info - Page 1

A. Public Education and Outreach

BMP Number _____

Add Another BMP

Delete Last Entry

Additional Info - Page 2

B. Public Participation/Involvement

BMP Number _____

Add Another BMP Delete Last Entry

Additional Info - Page 3

C. Illicit Discharge Detection and

BMP Number C.2

New single family construction requirements - overhead sewers: Village ordinance 21A-24(b) requires that, "All new buildings with occupancy areas below ground level shall have overhead plumbing. In all buildings in which a building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by a means which is approved in accordance with § 21A-17(b), and discharged to the building sanitary sewer." This ordinance is in affect to prevent sanitary basement backups into private residences, which would deter private residences pumping said backup water out into the public right-of -way.

BMP Number C.2

Separate storm and sanitary services: Village Ordinance 21A-23 requires that, "Each building shall have separate, independent building sewers for disposal of sewage and, where a public storm sewer is available, for disposal of storm runoff." Additionally, Village ordinance 21A-22 requires that, "No person shall connect roof down spouts, exterior foundation drains, yard or patio area drains or other sources of surface run-off or ground water to a building sewer or building drain if the sewer or building drain is connected directly or indirectly to a public sanitary sewer." These ordinances are in place to prevent the surcharging of the sanitary sewer collection system during large rain storm events, where clear water entering that sanitary sewer could result in sanitary sewer overflows or basement backups.

Add Another BMP Delete Last Entry

Additional Info - Page 4

D. Construction Site Runoff Control

BMP Number D.4

Stormwater Detention Requirements - The Village has a strict threshold on the total amount of hardscape that can be present on a single family lot, as codified by Village Ordinance (Chapter 9, Article XII). If a site development exceeds the total amount of hardscape, stormwater detention must be provided on the site. The calculations for total allowable impervious and required stormwater detention volume are required to be shown on the site development plans. Upon completion of the project, as-built record drawing are required to be submitted and approved before a Certificate of Occupancy will be issued. Plans will continue to be reviewed for compliance with this ordinance.

Add Another BMP

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Additional Info - Page 5

E. Post-Construction Runoff Control

BMP Number E.2

Tree Preservation Ordinance (Chapter 34 21-29) - The Village places great value in trees throughout the Village. Beyond aesthetics, trees provide for stormwater runoff mitigation and a water quality asset. Trees also act as a major contributor to the lessening of erosion, both on flat lands as well as steep slopes. Should a resident desire to remove a tree, a tree removal permit must first be submitted. Village staff will review applications as well as investigate the tree requested for removal. The Village's ordinance provides staff with latitude to deem whether tree removal would have major adverse impacts if approved. The Village keeps track of all tree removal permits and required tree removal deposits. The Village will continue to require the permitting for any requested qualified tree removal.

BMP Number E.2

Village ordinance 21A-2 regulates illegal disposal of wastes : "It shall be unlawful for any person to place, deposit or permit to be deposited in any unsanitary manner on public or private property within the village or in any area under the jurisdiction of the village, any human or animal excrement, garbage or other objectionable waste." and " It shall be unlawful to discharge to any natural outlet or storm sewers within the village or in any area under the jurisdiction of the village, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this chapter."

This ordinance focuses on the prevention of resident dumping of wastes into the Village's storm sewer infrastructure and contaminating the natural outfalls.

The Village investigates outfalls during routine maintenance inspections as well as during the annual outfall inspections. Any illegal dumping would be recorded and a log maintained in perpetuity.

The Village will continue to monitor for any such illegal discharges.

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Additional Info - Page 6

F. Pollution Prevention/Good

BMP Number F.4

Solid waste receptacle requirements/Accumulation of waste prohibitions -

Village ordinance (20-12) requires that, "All solid waste placed out for collection must be bagged and placed in closed metal or plastic cans that have handles and tight-fitting covers, and are of sturdy, leakproof construction. In no event may solid waste be left exposed to the elements." This ordinance directly focused on prevention of waste product leeching into the Village's storm sewer collection system.

Village ordinance (20-6) addresses, "Any dumping, depositing, disposal, or accumulation of solid waste or landscape waste in violation of the provisions of this chapter is hereby declared to be a nuisance and in violation." This ordinance also aids in a water quality aspect by prevention of waste leeching should wastes be left out exposed to the elements.

The Village routinely keeps a watchful eye out for any dumping violations. Any such violations are logged and the log is maintained in perpetuity.

The Village will continue to watch and record any such violations.

BMP Number F.6

Snow and Ice Control Plan - The Village maintains a snow and ice control plan. Beyond routing of fleet vehicles, the plan addresses strategic distribution of brine and rock salt, dependent on the snow event.

Village staff maintains records of the quantities of rock salt and brine used each winter which is normalized versus total snowfall for the winter season. Staff consistently looks for ways to decrease unnecessary salting and brining of roads by studying past operations practices and foretasted weather events.

The Village will continue to maintain logs on salt usage and study ways to decrease quantities of application while maintaining a safe driving environment for residents.

Overall salt and brine usage decreased between winter 2016 and winter 2017.

BMP Number F.6

Spill Prevention Contamination and Countermeasures Plan (SPCC)- The Village annually updates the SPCC plan. The plan is intended to minimize hazards to human health and the environment from any unplanned sudden or non-sudden release of processed fluids.

In the event of a spill, staff is trained, via this plan, on proper procedures to contain spills and minimize adverse affects to both humans and the natural environment. Any spills are maintained in a log and properly addressed.

No spills occurred between June 2017 to May 2018.

Any future spills will be logged and addressed accordingly.

Add Another BMP

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