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 Gilberts ILR400196
2. MS4 Mailing Address: 87 Galligan Road
   City: Gilberts State: IL
3. Operator Type: Village Other:
4. Operator Status: Local Other:
5. Name(s) of governmental entity(ies) in which MS4 is located:

   Village of Gilberts

6. Area of land that drains to your MS4 in square miles: 2.16
7. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:

   Latitude: 42 Degrees 06 Minutes: 15 Seconds:
   Longitude: 88 Degrees: 22 Minutes: 30 Seconds:

8. Name(s) of known receiving waters

   Tyler Creek
   South Branch Kishwaukee River

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

Name: George Sakas Title: Village Administrator Phone: 847-428-2861

Area of Responsibility: Stormwater Management Program

Name: George Kanagin Title: Stormwater System Manager Phone: 847-836-1090

Area of Responsibility: Stormwater Conveyance and Erosion Control

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:

Measurable Goals (include shared responsibilities)

☒ A.1 Distributed Paper Material

Brief Description of BMP:

Semi-annually publish one article about the impacts of stormwater discharges on water bodies and actions the public can take to reduce pollutants in stormwater runoff. Over time, the articles will provide information on the following topics:
- Proper use and management of household chemicals, such as: fluids for vehicles and other equipment; soaps, solvents, and detergents for outdoor washing; paint; chemicals for lawn and garden care; and winter de-icing materials.
- The hazards associated with illegal discharges and improper disposal of waste, along with a telephone number for reporting potential incidents.
- A discussion of green infrastructure emphasizing the importance of developing strategies for stormwater pollution prevention and information about the costs of these strategies.
- A discussion on the impact of climate change, such as more frequent high intensity rainfall, which leads to increased runoff and erosion. An increase in runoff and erosion leads to potentially the need for more BMPs such as turf reinforcement mats, drought tolerant plants, and potentially larger storm sewers capable of conveying increased flows due to climate change.
Continue distributing stormwater quality information with each permit application and continue tracking the number of page views on the Stormwater Management page of the Village's website.

Measurable Goals, including frequencies:

Publish semi-annual stormwater pollution prevention articles in the Village newsletter. Continue distributing stormwater quality information with each permit application and continue tracking the number of page views on the Stormwater Management page of the Village's website.

Milestones:

Go to Additional Pages

Year 1:

Publish two stormwater pollution prevention articles regarding one of the following topics: use and management of household chemicals, the hazards associated with illegal discharges and improper disposal of waste, the importance of green infrastructure, and the impact of climate change. Continue distributing stormwater quality information with each permit application and continue tracking the number of page views on the Stormwater Management page of the Village's website.

Year 2:

Publish two stormwater pollution prevention articles regarding one of the following topics: use and management of household chemicals, the hazards associated with illegal discharges and improper disposal of waste, the importance of green infrastructure, and the impact of climate change. Continue distributing stormwater quality information with each permit application and continue tracking the number of page views on the Stormwater Management page of the Village's website.

Year 3:

Publish two stormwater pollution prevention articles regarding one of the following topics: use and management of household chemicals, the hazards associated with illegal discharges and improper disposal of waste, the importance of green infrastructure, and the impact of climate change. Continue distributing stormwater quality information with each permit application and continue tracking the number of page views on the Stormwater Management page of the Village's website.

Year 4:

Publish two stormwater pollution prevention articles regarding one of the following topics: use and management of household chemicals, the hazards associated with illegal discharges and improper disposal of waste, the importance of green infrastructure, and the impact of climate change. Continue distributing stormwater quality information with each permit application and continue tracking the number of page views on the Stormwater Management page of the Village's website.

Year 5:

Publish two stormwater pollution prevention articles regarding one of the following topics: use and management of household chemicals, the hazards associated with illegal discharges and improper disposal of waste, the importance of green infrastructure, and the impact of climate change. Continue distributing stormwater quality information with each permit application and continue tracking the number of page views on the Stormwater Management page of the Village's website.

- ☐ 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

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

- ☐ 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:

The Village will conduct clean-up events to encourage participation of the public to collect debris that might otherwise be able to enter the drainage system. A contact number for reporting stormwater related issues is maintained and published.

Measurable Goals, including frequencies:

Annually host volunteer clean-up event and track number of participants. Maintain reporting contact number.

Milestones:

Year 1:

Continue annual clean-up events and maintain reporting contact number.

Year 2:

Continue annual clean-up events and maintain reporting contact number.

Year 3:

Continue annual clean-up events and maintain reporting contact number.

Year 4:

Continue annual clean-up events and maintain reporting contact number.

Year 5:

Continue annual clean-up events and maintain reporting contact number.

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:

Identify any environmental justice areas within the Village using the website link: http://www.epa.gov/environmentaljustice/and develop strategies to involve the public from these environmental justice areas in the Village's stormwater management

Measurable Goals, including frequencies:

The Village will begin identifying environmental justice areas; if applicable, the Village will begin identifying appropriate public involvement/participation, which may include providing notices to residents written in Spanish (or other applicable language)

Milestones:

Year 1:

Identify any environmental justice areas within the Village using the website link: http://epa.gov/environmentaljustice/. Continue to inform residents of the contact number to call for reporting stormwater related issues.

Year 2:

If there are environmental justice areas within Village limits, begin identifying appropriate public involvement/participation which may include providing notices to residents written in Spanish (or other applicable language) and/or providing a translator at a public meeting held annually. Continue to inform residents of the contact number to call for reporting stormwater related issues.

Year 3:

If there are environmental justice areas within Village limits, begin implementing various strategies to involve the public in these areas. These strategies may include providing notices to residents written in Spanish (or other applicable language) and/or providing a translator at a public meeting held annually. Continue to inform residents of the contact number to call for reporting stormwater related issues.

Year 4:

If there are environmental justice areas within Village limits, continue implementing various strategies to involve the public in these areas. These strategies may include providing notices to residents written in Spanish (or other applicable language) and/or providing a translator at a public meeting held annually. Continue to inform residents of the contact number to call for reporting stormwater related issues.

Year 5:

If there are environmental justice areas within Village limits, continue implementing various strategies to involve the public in these areas. These strategies may include providing notices to residents written in Spanish (or other applicable language) and/or providing a translator at a public meeting held annually. Continue to inform residents of the contact number to call for reporting stormwater related issues.

Go to Additional Pages

C. Illicit Discharge Detection and Elimination

Qualifying Local Programs:

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:

Storm Sewer Map Preparation -- The Village has the MS4 system on their GIS and all Outfalls are shown.

Measurable Goals, including frequencies:

Review the map annually and update it as needed.

Milestones:

Year 1:

Review the storm sewer map and update as needed.

Year 2:

Review the storm sewer map and update as needed.

Year 3:

Review the storm sewer map and update as needed.

Year 4:

Review the storm sewer map and update as needed.

Year 5:

Review the storm sewer map and update as needed.

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:

Regulatory Control Program -- In the past five years the Village has adopted an Illicit Discharge and Connection Ordinance.

Measurable Goals, including frequencies:

Enforce the Illicit Discharge and Connection Ordinance.

Milestones:

Year 1:

Enforce the Illicit Discharge and Connection Ordinance.

Year 2:

Enforce the Illicit Discharge and Connection Ordinance.

Year 3:

Enforce the Illicit Discharge and Connection Ordinance.

Year 4:

Enforce the Illicit Discharge and Connection Ordinance.

Year 5:

Enforce the Illicit Discharge and Connection Ordinance.

Go to Additional Pages

☒ C.3 Detection/Elimination Prioritization Plan (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Detection/Elimination Prioritization Plan -- In the past five years the Village has developed illicit discharge detection and elimination procedures. The Village of Gilberts has implemented detection, tracing and removal procedures for illicit discharges. The detection plan includes Village inspection of all mapped structures (including outfalls) once every three years and the Village will consider information provided by residents. In addition, a local Gilberts environmental consultant performs pre and post storm event inspections for flood control and pollution prevention. The Tyler Creek Watershed Coalition Annual Report on the Tyler Creek Watershed contains monitoring and BMP effectiveness data.

Measurable Goals, including frequencies:

Detect illicit discharges through resident reporting and regular storm sewer maintenance.

Milestones:

Year 1:

Continue detection and elimination of illicit discharges.

Year 2:

Continue detection and elimination of illicit discharges.

Year 3:

Continue detection and elimination of illicit discharges.

Year 4:

Continue detection and elimination of illicit discharges.

Year 5:

Continue detection and elimination of illicit discharges.

Go to Additional Pages

☒ C.4 Illicit Discharge Tracing Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Illicit Discharge Tracing Procedures -- In the past five years the Village has implemented illicit discharge tracing procedures. The Village of Gilberts has implemented detection, tracing and removal procedures for illicit discharges. The detection plan

Measurable Goals, including frequencies:

Annually trace all illicit discharges detected by resident reporting and by Village employees.

Milestones:

Year 1:

Continue tracing illicit discharges.

Year 2:

Continue tracing illicit discharges.

Year 3:

Continue tracing illicit discharges.

Year 4:

Continue tracing illicit discharges.

Year 5:

Continue tracing illicit discharges.

Go to Additional Pages

☒ C.5 Illicit Source Removal Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Illicit Source Removal Procedures -- In the past five years the Village has implemented illicit source removal procedures. The Village of Gilberts has implemented detection, tracing and removal procedures for illicit discharges. The detection plan includes Village inspection of all mapped structures (including outfalls) once every three years and the Village will consider information provided by residents. In addition, a local Gilberts environmental consultant performs pre and post storm event inspections for flood control and pollution prevention. The Tyler Creek Watershed Coalition annual report on the Tyler Creek Watershed contains monitoring and BMP effectiveness data.

Measurable Goals, including frequencies:

Annually remove all illicit discharges detected by resident reporting and by Village employees.

Milestones:

Year 1:

Continue removing illicit discharges.

Year 2:

Continue removing illicit discharges.

Year 3:

Continue removing illicit discharges.

Year 4:

Continue removing illicit discharges.

Year 5:

Continue removing illicit discharges.

Go to Additional Pages

☐ 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:

Annually perform visual dry weather screening of Village outfalls along waterways and ponds for evidence of illicit discharges.

Measurable Goals, including frequencies:

Annually inspect outfalls along waterways within Village limits for illicit discharges. Priority outfalls discharge to Tyler Creek.

Milestones:

Year 1:

Insect outfalls for illicit discharges.

Year 2:

Insect outfalls for illicit discharges.

Year 3:

Insect outfalls for illicit discharges.

Year 4:

Insect outfalls for illicit discharges.

Year 5:

Insect outfalls for illicit discharges.

Go to Additional Pages

☐ C.8 Pollutant Field Testing

☐ C.9 Public Notification

☐ C.10 Other Illicit Discharge Controls

D. Construction Site Runoff Control

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

☒ D.1 Regulatory Control Program (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Regulatory Control Program -- In the past five years the Village has adopted, by reference, the Kane County Stormwater Ordinance. The Village has also adopted amendments to meet permit requirements.

Measurable Goals, including frequencies:

Enforce the Kane County Stormwater Ordinance.

Milestones:

Year 1:

Continue to enforce the Kane County Stormwater Ordinance.

Year 2:

Continue to enforce the Kane County Stormwater Ordinance.

Year 3:

Continue to enforce the Kane County Stormwater Ordinance.

Year 4:

Continue to enforce the Kane County Stormwater Ordinance.

Year 5:

Continue to enforce the Kane County Stormwater Ordinance.

Go to Additional Pages

☒ 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:

Erosion and Sediment Control BMPs -- In the past 5 years the Village has required erosion and sediment control BMPs.

Measurable Goals, including frequencies:

Require erosion and sediment control BMPs.

Milestones:

Year 1:

Continue to require erosion and sediment control BMPs.

Year 2:

Continue to require erosion and sediment control BMPs.

Year 3:

Continue to require erosion and sediment control BMPs.

Year 4:

Continue to require erosion and sediment control BMPs.

Year 5:

Continue to require erosion and sediment control BMPs.

Go to Additional Pages

☒ D.3 Other Waste Control Program (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Other Waste Control Program -- In the past 5 years the Village has adopted an Illicit Discharge and Connection Ordinance that prohibits non-stormwater discharges to the storm sewer system and regulates wastes and residues that result from construction or building a structure.

Measurable Goals, including frequencies:

Enforce the Illicit Discharge and Connection Ordinance.

Milestones:

Year 1:

Continue to enforce the Illicit Discharge and Connection Ordinance.

Year 2:

Continue to enforce the Illicit Discharge and Connection Ordinance.

Year 3:

Continue to enforce the Illicit Discharge and Connection Ordinance.

Year 4:

Continue to enforce the Illicit Discharge and Connection Ordinance.

Year 5:

Continue to enforce the Illicit Discharge and Connection Ordinance.

Go to Additional Pages

☒ 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 Plan Review Procedures -- In the past 5 years the Village has reviewed site plans to ensure conformance to the Kane County Stormwater Ordinance.

Measurable Goals, including frequencies:

Review site plans to ensure conformance to the Kane County Stormwater Ordinance.

Milestones:

Year 1:

Continue to review site plans to ensure conformance to the Kane County Stormwater Ordinance.

Year 2:

Continue to review site plans to ensure conformance to the Kane County Stormwater Ordinance.

Year 3:

Continue to review site plans to ensure conformance to the Kane County Stormwater Ordinance.

Year 4:

Continue to review site plans to ensure conformance to the Kane County Stormwater Ordinance.

Year 5:

Continue to review site plans to ensure conformance to the Kane County Stormwater Ordinance.

Go to Additional Pages

☐ D.5 Public Information Handling Procedures

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

Brief Description of BMP:

Site Inspection/Enforcement Procedures -- In the past 5 years the Village has inspected construction sites and enforced the Kane County Stormwater Ordinance.

Measurable Goals, including frequencies:

Inspect construction sites and enforce the Kane County Stormwater Ordinance.

Milestones:

Year 1:

Continue to inspect construction sites and enforce the Kane County Stormwater Ordinance.

Year 2:

Continue to inspect construction sites and enforce the Kane County Stormwater Ordinance.

Year 3:

Continue to inspect construction sites and enforce the Kane County Stormwater Ordinance.

Year 4:

Continue to inspect construction sites and enforce the Kane County Stormwater Ordinance.

Year 5:

Continue to inspect construction sites and enforce the Kane County Stormwater Ordinance.

Go to Additional Pages

☐ D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Qualifying Local Programs:

Measurable Goals (include shared responsibilities)

☐ E.1 Community Control Strategy

☒ E.2 Regulatory Control Program

Brief Description of BMP:

E.2/E.3/E.4/E.5/E.6/E.7 The Village adopted the Kane County Stormwater Management Ordinance and is certified by the County to enforce the Ordinance within Village limits. The Village requires long-term Operation and Maintenance Plans in accordance with the County Ordinance and has the authority to ensure the long-term operation and maintenance of privately owned BMPs in cases where they are not being maintained by the property owner. The Village also reviews BMP designs prior to construction and inspects sites during and after construction. See The Village will begin developing and implementing a process to assess the impacts of global climate change in the design of all new and retrofit flood management projects. Climate change involves more frequent high intensity rainfall, which leads to increased runoff and erosion. An increase in runoff and erosion can be offset by constructing more BMPs (such as turf reinforced mats), installing more drought tolerant plants, and installing larger storm sewers capable of conveying the increased runoff due to climate change. Information on climate change may be found at the following website link: http://www.epa.gov/climatechange/.

Measurable Goals, including frequencies:

The Village will continue enforcing the County Ordinance and the Village Code. The Village will begin developing and implementing a process to assess the impacts of global climate change in the design of all new and retrofit flood management projects. Information on climate change may be found here: http://www.epa.gov/climatechange/.

Milestones:

Year 1:

The Village will continue enforcing the County Ordinance and the Village Code. The Village will begin developing a process to assess the impacts of global climate change in the design of all new and retrofit flood management projects. Information on climate change may be found here: http://www.epa.gov/climatechange/.

Year 2:

The Village will continue enforcing the County Ordinance and the Village Code. The Village will continue developing a process to assess the impacts of global climate change in the design of all new and retrofit flood management projects. Information on climate change may be found here: http://www.epa.gov/climatechange/.

Year 3:

The Village will continue enforcing the County Ordinance and the Village Code. The Village will begin implementing a process to assess the impacts of global climate change in the design of all new and retrofit flood management projects. Information on climate change may be found here: http://www.epa.gov/climatechange/.

Year 4:

The Village will continue enforcing the County Ordinance and the Village Code. The Village will continue implementing a process to assess the impacts of global climate change in the design of all new and retrofit flood management projects. Information on climate change may be found here: http://www.epa.gov/climatechange/.

Year 5:

The Village will continue enforcing the County Ordinance and the Village Code. The Village will continue implementing a process to assess the impacts of global climate change in the design of all new and retrofit flood management projects. Information on climate change may be found here: http://www.epa.gov/climatechange/.

Go to Additional Pages

☐ E.3 Long Term O & M Procedures

☐ 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.1 Employee Training Program (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Employee Training Program -- In the past 5 years Village employees have been trained regarding stormwater pollution prevention, and has formalized the program through its SWPPP program consultant, Phoenix & Associates.

Measurable Goals, including frequencies:

Train new employees to prevent or reduce stormwater pollution from municipal activities. Send employees to stormwater pollution prevention seminars and workshops or hire a consultant to conduct a training session annually.

Milestones:

Year 1:

Continue stormwater pollution prevention training for Village employees.

Year 2:

Continue stormwater pollution prevention training for Village employees.

Year 3:

Continue stormwater pollution prevention training for Village employees.

Year 4:

Continue stormwater pollution prevention training for Village employees.

Year 5:

Continue stormwater pollution prevention training for Village employees.

Go to Additional Pages

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

Brief Description of BMP:

Inspection and Maintenance Program -- In the past 5 years the Village has formalized a program for inspection and maintenance of its facilities and infrastructure.

Measurable Goals, including frequencies:

Continue to conduct formal maintenance and inspection. Evaluate the effectiveness of the program annually and update the program as needed.

Milestones:

Year 1:

Continue conducting formal inspection and maintenance. Review the program for effectiveness and update the program as needed.

Year 2:

Continue conducting formal inspection and maintenance. Review the program for effectiveness and update the program as needed.

Year 3:

Continue conducting formal inspection and maintenance. Review the program for effectiveness and update the program as needed.

Year 4:

Continue conducting formal inspection and maintenance. Review the program for effectiveness and update the program as needed.

Year 5:

Continue conducting formal inspection and maintenance. Review the program for effectiveness and update the program as needed.

Go to Additional Pages

☒ F.3 Municipal Operations Storm Water Control(You may need to go to the next page to fill in this information)

Brief Description of BMP:

The Village has incorporated a formalized program to prevent stormwater pollution from municipal operations. The Village currently stores deicing material in a permanent building. The Village will continue to store deicing material in this manner.

Measurable Goals, including frequencies:

Continue to conduct a formalized program to prevent stormwater pollution from municipal operations. The Village will continue storing deicing material in a permanent building.

Milestones:

Year 1:

Continue to conduct a formalized program to prevent stormwater pollution from municipal operations. The Village will continue storing deicing material in a permanent building.

Year 2:

Continue to conduct a formalized program to prevent stormwater pollution from municipal operations. The Village will continue storing deicing material in a permanent building.

Year 3:

Continue to conduct a formalized program to prevent stormwater pollution from municipal operations. The Village will continue storing deicing material in a permanent building.

Year 4:

Continue to conduct a formalized program to prevent stormwater pollution from municipal operations. The Village will continue storing deicing material in a permanent building.

Year 5:

Continue to conduct a formalized program to prevent stormwater pollution from municipal operations. The Village will continue storing deicing material in a permanent building.

Go to Additional Pages

- ☐ F.4 Municipal Operations Waste Disposal
- ☐ F.5 Flood Management/Assess Guidelines
- ☒ F.6 Other Municipal Operations Controls (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Phoenix Associates is a local Gilberts environmental consultant that performs pre and post storm event inspections for flood control and pollution prevention. Phoenix coordinates efforts withThe Tyler Creek Watershed Coalition, whose Annual Report

Measurable Goals, including frequencies:

The Village, through Phoenix Associates, will participate with the Tyler Creek Watershed Coalition in the study of means to reduce chloride levels in receiving streams within the watershed.

Milestones:

Year 1:

Begin participating in efforts to assist with the reduction in chloride levels in receiving streams.

Year 2:

Continue participating with the TCWC to assist with the reduction in chloride levels in receiving streams.

Year 3:

Continue participating with the TCWC to assist with the reduction in chloride levels in receiving streams.

Year 4:

Continue participating with the TCWC to assist with the reduction in chloride levels in receiving streams.

Year 5:

Continue participating with the TCWC to assist with the reduction in chloride levels in receiving streams.

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)).

George Sakas	Village Administrator	May 31, 2016
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