

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

MARCH 2015 TO MARCH 2016 REPORTING PERIOD

VILLAGE OF GILBERTS, ILLINOIS

**A. CHANGES TO BEST MANAGEMENT PRACTICES**

There were no changes to the Best Management Practices (BMPs) from the Village of Gilberts Notice of Intent (NOI) for the reporting period from March 2015 to March 2016.

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

The Village of Gilberts committed to a number of stormwater BMPs in order to meet the requirements of the NPDES Phase II stormwater program. The following is a status report on each of the BMPs and the activities that were undertaken during the March 2015 to March 2016 reporting period. The status or progress for each of the measurable goals related to these BMPs is presented below.

**BMP No. A1 Distributed Paper Material**

**Measurable Goal(s), including frequencies:** Publish stormwater pollution prevention articles in the Village newsletter semi-annually.

**Milestones: Year 13:** Continue to publish articles in the Village newsletter.

**BMP Status:** The Village of Gilberts publishes a resident newsletter which is mailed directly to businesses and residents in the Village. Newsletters during the 2015-2016 reporting period included: “Recycling Electronics” on how residents should dispose of electronics in order to keep them out of landfills and leaching into ground water and waterways in the Fall 2015 edition, along with a reminder of recycling opportunities for hazardous waste in Kane County and disposal of “Flushable Wipes”.

In addition Kane County has distributed brochures to all MS4s and Libraries: “How To Be A Clean Water Champion” and “Top Ten Things Streamside Property Owners Can Do...”

**BMP No. B.6 Program Involvement**

**Measurable Goal(s), including frequencies:** Host an annual volunteer clean-up event. Track the number of residents participating in the event.

These events encourage the public to pick-up debris which might otherwise be washed into the Village drainage system. It directly involves the public in the Village’s stormwater management program, and therefore is a more effective BMP.

**Milestones: Year 13:** Continue to host annual cleanup events.

**BMP Status:** In 2015 a Village wide cleanup event was not conducted; however, several individual neighborhood cleanup activities were conducted such as removing debris from detention ponds (maintained by HOAs) in the Timber Trails Subdivision and maintenance of the Windmill Meadows and Gilberts Glen drainage ways for sediment and erosion control by Phoenix Assoc.

**BMP No. B7** Other Public Involvement

**Measurable Goal(s), including frequencies:** Annually inform residents of a contact number to report stormwater related issues.

**Milestones:** **Year 13:** Continue to inform residents of the existence of a contact number to report stormwater related issues.

**BMP Status:** Along with the stormwater pollution prevention articles that are published in the Village newsletter, the Village provides a contact number that residents can use to report stormwater related issues, including ordinance violations, construction site soil erosion and sediment control violations, maintenance issues and illicit discharges.

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

**Measurable Goal(s), including frequencies:** Develop storm sewer outfall map and update as needed.

**Milestones:** **Year 13:** Storm Sewer Outfall Map is part of the overall Village Storm Sewer System map and is included in the Villages Stormwater Management Plan.

**BMP Status:** The Village will add any other outfalls as they are found during routine maintenance or stream walks or created as part on new development. The Storm Sewer System Map is a layer in the Village GIS.

**BMP No. C2** Regulatory Control Program

**Measurable Goal(s), including frequencies:** Enforce the Illicit Discharge and Connection Ordinance.

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

**BMP Status:** The Village of Gilberts has adopted and implemented an Illicit Discharge and Connection Ordinance that prohibits non-stormwater discharges into the Village's stormwater drainage system and includes enforcement and penalties for ordinance violations.

**BMP No. C3/C4/C5 Illicit Discharge Detection, Tracing, and Removal Plan**

**Measurable Goal(s), including frequencies:** Continue detecting, tracing and removing all illicit discharges.

**Milestones: Year 13:** Annually search, trace and remove all illicit discharges.

**BMP Status:** The Village of Gilberts has adopted an Illicit Discharge and Connection Ordinance that prohibits non-stormwater discharges into the Village's stormwater drainage system and includes enforcement and penalties for ordinance violations. The ordinance will provide the regulatory framework needed to enforce illicit discharge removal.

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. A copy of this can be provided or can be viewed on their website [http://foxriverecosystem.org/tyler\\_creek.htm](http://foxriverecosystem.org/tyler_creek.htm).

**BMP No. D1/D2/D3/D4/D6 Construction Site Stormwater Runoff Control**

**Measurable Goal(s), including frequencies:** Enforce the Village Code and Kane County Stormwater Ordinance.

**Milestones: Year 13:** Continue to enforce the Village Code and Kane County Stormwater Ordinance.

**BMP Status:** The Village of Gilberts has adopted, by reference, all of the provisions of the Kane County Stormwater Management Ordinance.

**BMP No. E2/E3/E4/E5/E6** Stormwater Drainage Ordinance

**Measurable Goal(s), including frequencies:** Enforce the Kane County Stormwater Ordinance.

**Milestones:** **Year 13:** Continue to enforce the Kane County Stormwater Ordinance.

**BMP Status:** The Village of Gilberts has adopted, by reference, all of the provisions of the Kane County Stormwater Management Ordinance. The Village is responsible for enforcing the ordinance within the Village limits. The Village continued to review all BMP designs prior to construction and inspect projects during and after construction.

**BMP No. F1** Employee Training Program

**Measurable Goal(s), including frequencies:** Formalize stormwater pollution prevention training for Village employees. Conduct formal stormwater pollution prevention training for Village employees annually.

**Milestones:** **Year 13:** The Village has completed employee training; however, this has occurred without a formal plan. Phoenix&Associates has been retained as the Village's Stormwater program maintenance consultant and conducts all SWPPP inspections and assists with employee training.

**BMP Status:** This BMP was incorporated in 2012.

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

**Measurable Goal(s), including frequencies:** Annually review the program for effectiveness and update as needed.

**Milestones:** **Year 13:** Continue conducting formal inspection and maintenance. Review the program for effectiveness and update the program as needed.

**BMP Status:** The Village of Gilberts formalized its inspection and maintenance program by the retaining of Phoenix&Associates. The program consists of regular maintenance of ditches, Village-owned facilities and storm structures with the use of the local environmental consultant noted above.

**BMP No. F3 Municipal Operations Stormwater Control**

**Measurable Goal(s), including frequencies:** Formalize a stormwater pollution prevention plan for the Village's municipal operations. Annually review the plan for effectiveness and update the program as needed.

**Milestones: Year 13:** The Village of Gilberts has maintained many operational policies designed to prevent stormwater pollution from municipal operations. The policies are in the Village's Stormwater Management Program Plan.

**BMP Status:** The Village continues to follow the pollution prevention polices.

**C. INFORMATION AND DATA COLLECTION RESULTS**

See the Tyler Creek Coalition Report identified in Section B.

**BMP No. C3/C4/C5 Illicit Discharge Detection, Tracing, and Removal Plan**

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

The Village plans to undertake the following activities during the March 2016 to March 2017 reporting period:

**BMP No. A1 Distributed Paper Material**

The Village of Gilberts will continue to publish stormwater pollution prevention articles in its resident newsletter. The annual articles will address the following issues: impacts of stormwater discharges on water bodies, measure the public can take to reduce pollutants in stormwater runoff, and information on the general public hazards associated with illegal discharges and improper waste disposal. There is to be 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. Distribution of stormwater quality information with each permit application and tracking the number of page views on the Stormwater Management page of the Village's website.

**Measurable Goal(s), including frequencies:** Publish stormwater pollution prevention articles in the Village newsletter semi-annually.

**Milestones: Year 14:** Continue to publish articles in the Village newsletter.

**BMP No. B.6 Program Involvement**

The Village of Gilberts will conduct an annual volunteer clean-up event. This event will encourage the public to pick-up debris which might otherwise be washed into the Village drainage system.

**Measurable Goal(s), including frequencies:** Host a volunteer clean-up events. Track the number of residents participating in the event.

**Milestones: Year 14:** Continue Hosting Village Cleanup events as advertised in the Village Newsletter.

**BMP No. B7 Other Public Involvement**

The Village of Gilberts will continue to provide a contact number that residents can use to report stormwater related issues, including ordinance violations, construction site soil erosion and sediment control violations, maintenance issues and illicit discharges.

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 program. If there are environmental justice areas within Village limits, begin identifying appropriate public involvement/participation. This may be accomplished by providing notices to residents written in Spanish (or other applicable language) and/or providing a translator at a public meeting held annually.

**Measurable Goal(s), including frequencies:** The Village will continue to inform residents of the contact number. 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) and/or providing a translator at a public meeting held annually.

**Milestones: Year 14:** Continue to inform residents of the existence of a contact number. Identify any environmental justice areas within the Village using the website link: <http://epa.gov/environmentaljustice/>.

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

The Village prepared a stormwater outfall map showing the locations of all outfalls and receiving waters. The map will be updated as needed as development occurs within the Village and as property is annexed to the Village.

**Measurable Goal(s), including frequencies:** Update stormwater outfall map annually as needed.

**Milestones: Year 14:** Review the storm sewer outfall map and updated as needed.

#### **BMP No. C2 Regulatory Control Program**

The Village of Gilberts has adopted an illicit discharge and connection ordinance that prohibits non-stormwater discharges into the Village's stormwater drainage system and includes enforcement and penalties for ordinance violations.

**Measurable Goal(s), including frequencies:** Enforce the Illicit Discharge and Connection Ordinance.

**Milestones: Year 14:** Enforce the Illicit Discharge and Connection Ordinance.

**BMP No. C3/C4/C5 Illicit Discharge Detection, Tracing, and Removal Plan**

The Village of Gilberts has implemented a formalized plan for detection, tracing and removal of illicit discharges. The detection plan includes Village inspection of all mapped structures (including outfalls) once every three years and considers information provided by residents to the Village.

**Measurable Goal(s), including frequencies:** Annually detect, trace and remove all illicit discharges detected by resident reporting and by Village employees.

**Milestones: Year 14:** Continue detecting, tracing and removing all illicit discharges.

**BMP No. D1 Regulatory Control Program**

The Village of Gilberts has adopted the Kane County Stormwater Ordinance, which requires erosion and sediment controls. The Village has amended the Stormwater Ordinance to require compliance with General NPDES Permit No. ILR10 prior to construction.

**Measurable Goal(s), including frequencies:** Enforce the Stormwater Ordinance.

**Milestones: Year 14:** Continue to enforce the Stormwater Ordinance.

**BMP No. D2 Erosion and Sediment Control BMPs**

The Village of Gilberts has adopted and enforce the Kane County Stormwater Ordinance, which requires erosion and sediment control BMPs.

**Measurable Goal(s), including frequencies:** Enforce the Kane County Stormwater Ordinance.

**Milestones: Year 14:** Continue to enforce the Kane County Stormwater Ordinance.

**BMP No. D3 Other Waste Control Program**

The Village of Gilberts has amended the Village Code to prohibit non-stormwater discharges to the storm sewer system. These amendments regulate wastes and residues that result from construction or building a structure.

**Measurable Goal(s), including frequencies:** Enforce the Village Code.

**Milestones: Year 14:** Continue to enforce the Village Code.

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

The Village of Gilberts reviews site plans to ensure conformance to the Kane County Stormwater Ordinance.

**Measurable Goal(s), including frequencies:** Review site plans to ensure conformance to the Kane County Stormwater Ordinance.

**Milestones: Year 14:** Continue to review site plans to ensure conformance to the Kane County Stormwater Ordinance.

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

The Village of Gilberts has adopted the Kane County Stormwater Ordinance, which contains site inspection and enforcement procedures.

**Measurable Goal(s), including frequencies:** Enforce the Kane County Stormwater Ordinance.

**Milestones: Year 14:** Continue to enforce the Kane County Stormwater Ordinance.

**BMP No. E2 Regulatory Control Program**

The Village of Gilberts has adopted and enforced the Kane County Stormwater Ordinance, which requires post-construction runoff control.

**Measurable Goal(s), including frequencies:** Enforce the Kane County Stormwater Ordinance.

**Milestones: Year 14:** Continue to enforce the Kane County Stormwater Ordinance.

**BMP No. E3 Long Term O&M Procedures**

The Village of Gilberts has adopted and enforces the Kane County Stormwater Ordinance, which contains long term operation and maintenance procedures.

**Measurable Goal(s), including frequencies:** Enforce the Kane County Stormwater Ordinance.

**Milestones: Year 14:** Continue to enforce the Kane County Stormwater Ordinance.

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

The Village of Gilberts has adopted and enforces the Kane County Stormwater Ordinance, which requires pre-construction review of BMP designs.

**Measurable Goal(s), including frequencies:** Enforce the Kane County Stormwater Ordinance.

**Milestones: Year 14:** Continue to enforce the Kane County Stormwater Ordinance.

#### **BMP No. E5 Site Inspections During Construction**

The Village of Gilberts has adopted and enforced the Kane County Stormwater Ordinance, which requires site inspections during construction.

**Measurable Goal(s), including frequencies:** Enforce the Kane County Stormwater Ordinance.

**Milestones: Year 14:** Continue to enforce the Kane County Stormwater Ordinance.

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

The Village of Gilberts has inspected Village owned detention basins.

**Measurable Goal(s), including frequencies:** Inspect Village owned detention basins once every five years, but in reality occurs on a more frequent basis due to the regular inspections performed pre and post rain storm events by the Villages environmental consultant described in section BMP No. C3,C4,C5.

**Milestones: Year 14:** Inspect 20% of the Village-owned detention basins.

#### **BMP No. E7 Other Post-Construction Runoff Controls**

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 Goal(s), 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 14:** 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/>.

#### **BMP No. F1 Employee Training Program**

The Village of Gilberts public works department currently conducts regular employee training including new employee orientation. A formal training program to educate staff on prevention and reduction of stormwater pollution from municipal activities is being incorporated into the Village's existing training program as noted in section B. The Village will continue to look for stormwater pollution prevention training seminars to which it may send its employees.

**Measurable Goal(s), including frequencies:** Formalize stormwater pollution prevention training for Village employees. Conduct formal stormwater pollution prevention training for Village employees annually.

**Milestones: Year 14:** The Village will continue the annual training program.

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

The Village has formalized its inspection and maintenance program. The program consists of regular ditch maintenance, as-needed cleaning of storm sewer structures, and

as-needed maintenance of detention basins both pre and post rain events by the Village environmental consultant.

**Measurable Goal(s), including frequencies:** Annually review the program for effectiveness and update the program as needed.

**Milestones: Year 14:** Continue conducting formal inspection and maintenance. Review the program for effectiveness and update the program as needed.

### **BMP No. F3 Municipal Operations Stormwater Control**

The Village of Gilberts currently has a number of operational policies designed to prevent stormwater pollution associated with municipal operations. The existing policies will be incorporated into a formal Municipal Stormwater Pollution Prevention Plan. This program will be evaluated on an annual basis to determine its effectiveness and modified as necessary. The Village currently stores deicing material in a permanent building. The Village will continue to store deicing material in this manner.

**Measurable Goal(s), including frequencies:** Monitor the stormwater pollution prevention plan for the Village's municipal operations. Annually review the plan for effectiveness and update the program as needed. The Village currently stores deicing material in a permanent building. The Village will continue to store deicing material in this manner.

**Milestones: Year 14:** The Village of Gilberts has maintained many operational policies designed to prevent stormwater pollution prevention from municipal operations. The Village currently stores deicing material in a permanent building. The Village will continue to store deicing material in this manner.

### **BMP No. F6 Other Municipal Operations Controls**

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 with The Tyler Creek Watershed Coalition, whose Annual Report on the Tyler Creek Watershed contains monitoring and BMP effectiveness data

**Measurable Goal(s), 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 14:** Continue participating with the TCWC to assist with the reduction in chloride levels in receiving streams.

**E. NOTICE OF QUALIFYING LOCAL PROGRAM**

The Village of Gilberts is not relying on any other government entity to satisfy permit obligations. Kane County conducts several additional stormwater public education and outreach programs that benefit the Village and its residents, but the Village of Gilberts' stormwater pollution prevention program is intended to meet the requirements of General NPDES Permit No. ILR40 in the absence of these programs.

**F. CONSTRUCTION PROJECTS CONDUCTED DURING REPORTING PERIOD**

The Village completed the construction of the Gilberts Town Park project at Tyrrell Road and Columbia Lane that was reported in the year 12 report.