



# Illinois Environmental Protection Agency

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

## Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

### for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

*This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.*

Report Period: From March, 2014 To March, 2015

Permit No. ILR40 0310

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

Name: Village of Cary Mailing Address 1: 655 Village Hall Drive

Mailing Address 2: \_\_\_\_\_ County: McHenry

City: Cary State: IL Zip: 60013 Telephone: (847) 639-0003

Contact Person: Erik D. Morimoto, PE, PTOE Email Address: emorimoto@caryillinois.com  
(Person responsible for Annual Report)

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

Village of Cary

#### THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- |  |                          |   |                                     |
|--|--------------------------|---|-------------------------------------|
| 1. Public Education and Outreach             | <input type="checkbox"/> | 4. Construction Site Runoff Control       | <input checked="" type="checkbox"/> |
| 2. Public Participation/Involvement          | <input type="checkbox"/> | 5. Post-Construction Runoff Control       | <input checked="" type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/>            |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle ( including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

Erik D. Morimoto

Owner Signature:

Erik D. Morimoto, PE, PTOE

Printed Name:

5/29/2015

Date:

Director of Public Works/Village Engr

Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION #19  
1021 NORTH GRAND AVENUE EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

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

MARCH 2014 TO FEBRUARY 2015 REPORTING PERIOD

VILLAGE OF CARY, ILLINOIS

**A. CHANGES TO BEST MANAGEMENT PRACTICES**

There have been no changes to the Best Management Practices (BMPs) from the Village's Notice of Intent (NOI) for the reporting period from March 2014 to February 2015.

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

The Village of Cary 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 2014 to February 2015 reporting period. The status or progress for each of the measurable goals related to these BMPs is presented below.

**BMP No. A.1 Distributed Paper Material**

**Measurable Goal(s), including frequencies:** Annually publish a stormwater pollution prevention related article in the resident newsletter.

**Milestones: Year 12:** Publish a stormwater pollution prevention related article in the resident newsletter.

**BMP Status:** The Village publishes an electronic newsletter which is e-mailed to Village residents. The December 26, 2014 newsletter included an article titled *Wintertime Stormwater Pollution Prevention*. Dozens of other newsletters included articles notifying residents of various collection events for leaves, landscape waste, tires, prescription drugs, holiday trees, and holiday lights. By promoting proper disposal of these items, the Village reduces the likelihood of illegal dumping into storm drains and drainageways.

**BMP No. A.6 Other Public Education**

**Measurable Goal(s), including frequencies:** Post links to stormwater pollution prevention resources on the Village web site.

**Milestones: Year 12:** Post links to stormwater pollution prevention resources on the Village web site.

**BMP Status:** The Village web site includes links to stormwater pollution prevention resources such as educational articles, information about the Village's stormwater management program, and a telephone number for resident reporting of stormwater related issues.

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

**Measurable Goal(s), including frequencies:** Annually host a clean-up event around a stream or a detention basin. Track the number of residents participating in the event and the amount of waste collected.

**Milestones:** **Year 12:** Host a community clean-up event around a stream or a detention basin. Track the number of residents participating in the event and the amount of waste collected.

**BMP Status:** The Cary Pride Day attracted approximately 150 volunteers on April 26, 2014 for clean-ups at various locations in the rights-of-way of the Village's major roads. Approximately 400 cubic feet of waste was collected.

**BMP No. B.7** Other Public Involvement

**Measurable Goal(s), including frequencies:** Annually inform residents of the existence of a telephone number for reporting stormwater related issues.

**Milestones:** **Year 12:** Inform residents of the existence of a telephone number for reporting stormwater related issues.

**BMP Status:** One Year 12 newsletter included an article titled *Stormwater and Water Quality Tips* that encouraged residents to call the Public Works Department to report stormwater related issues. In Year 12, the Village was notified that the storm sewer outfall in the detention area behind 715 Spruce Tree Drive was eroded. Since receiving that report, the Village has re-graded and stabilized the area with vegetation.

**BMP No. C.1** Storm Sewer Map Preparation

**Measurable Goal(s), including frequencies:** Annually review the Storm Sewer Map and update the Map as needed.

**Milestones:** **Year 12:** Review the Storm Sewer Map and update the Map as needed.

**BMP Status:** The Village maintains an updated storm sewer system map. The map shows the location all of the outfalls within the Village and identifies the name of all waters that receive discharges from those outfalls. The map is currently up-to-date.

**BMP No. C.2** Regulatory Control Program

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

**Milestones: Year 12:** Enforce the Municipal Code.

**BMP Status:** The Village enforces Section 13.20 of the Municipal Code, which prohibits non-stormwater discharges to the storm sewer system, but the Village is planning to adopt a new illicit discharge ordinance in Year 13.

**BMP No. C.4/C.5** Illicit Discharge Tracing/Source Removal Procedures

**Measurable Goal(s), including frequencies:** Develop procedures to trace and remove detected illicit discharges. Annually trace and remove all illicit discharges identified by resident reporting, visual dry weather screening, and public works maintenance activities.

**Milestones: Year 12:** Trace and remove all detected illicit discharges.

**BMP Status:** No suspicious discharges were detected or reported in Year 12.

**BMP No. C.7** Visual Dry Weather Observation Program

**Measurable Goal(s), including frequencies:** Annual screening of all outfalls to identify any illicit discharges. Annual screening of 20% of storm sewer structures (manholes, catch basins, and inlets) with a priority placed on screening storm sewer structures in industrial areas.

**Milestones: Year 12:** Screen all outfalls and 20% of storm sewer structures.

**BMP Status:** The Village screened all outfalls and 3,361 of its storm sewer structures in Year 12.

**BMP No. F.1** Employee Training Program

**Measurable Goal(s), including frequencies:** Annually conduct formal stormwater pollution prevention training for Village employees.

**Milestones: Year 12:** Conduct formal stormwater pollution prevention training for Village employees.

**BMP Status:** The entire crew of Village snow plow drivers attended McHenry County's Sensible Salting Workshop in the Fall of 2014. The Village staff also includes two trained and licensed pesticide applicators.

**BMP No. F.2** Inspection and Maintenance Program

**Measurable Goal(s), including frequencies:** Annually clean 50% of Village storm sewers and storm sewer structures. Sweep Village streets 4 times per year. Maintain ditches as needed or as requested by residents.

**Milestones: Year 12:** Clean 50% of Village storm sewers and storm sewer structures. Sweep Village streets 4 times. Maintain ditches as needed.

**BMP Status:** The Village of Cary annually cleans and maintains its drainage system. Village streets were swept 9 times during the Spring and Summer in Year 12 and leaves were collected throughout the Fall. 3,361 storm sewer inlets were cleaned and 30 catch basins were cleaned and repaired. Roadside ditches were also maintained on an as needed basis or as requested by residents.

**BMP No. F.3** Municipal Operations Stormwater Control

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

**Milestones: Year 12:** Review the Stormwater Pollution Prevention Plan and update the Plan as needed.

**BMP Status:** The Village reviewed its Stormwater Pollution Prevention Plan for the Wastewater Treatment Facility and the Public Works facility in Year 12. No updates to the Plan were necessary.

**C. INFORMATION AND DATA COLLECTION RESULTS**

During the March 2014 to February 2015 reporting period, the Village continued a Monitoring Plan that involves sampling the quality of water in the Fox River and also sampling the quality of water flowing through Cary Creek at the Wastewater Treatment Plant. Approximately 75% of the Village drainage system is tributary to Cary Creek at this point, so the water quality at this location is believed to be representative of the quality of runoff from the entire Village.

The Village collected samples from the Fox River near 2315 Grove Lane and collected samples from Cary Creek near the Wastewater Treatment Plant. Dissolved oxygen, pH, temperature, biological oxygen demand, phosphorus, and chloride were recorded for each sample. In Year 12, the data for the Fox River and Cary Creek are very similar for nearly every parameter. However, on average, the biological oxygen demand in Cary Creek was 60% lower than in the Fox River and the chloride concentration in Cary Creek was 50% higher than in the Fox River.

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

The Village plans to undertake the following activities during the March 2015 to February 2016 reporting period:

**BMP No. A.1 Distributed Paper Material**

**Measurable Goal(s), including frequencies:** Annually publish a stormwater pollution prevention related article in the resident newsletter.

**Milestones: Year 13:** Publish a stormwater pollution prevention related article in the resident newsletter.

**BMP No. A.6 Other Public Education**

**Measurable Goal(s), including frequencies:** Post links to stormwater pollution prevention resources on the Village web site.

**Milestones: Year 13:** Post links to stormwater pollution prevention resources on the Village web site.

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

**Measurable Goal(s), including frequencies:** Annually host a clean-up event around a stream or a detention basin. Track the number of residents participating in the event and the amount of waste collected.

**Milestones: Year 13:** Host a community clean-up event around a stream or a detention basin. Track the number of residents participating in the event and the amount of waste collected.

**BMP No. B.7 Other Public Involvement**

**Measurable Goal(s), including frequencies:** Annually inform residents of the existence of a telephone number for reporting stormwater related issues. Document the number of resident reports received annually.

**Milestones: Year 13:** Inform residents of the existence of a telephone number for reporting stormwater related issues. Document the number of resident reports received.



**BMP No. C.1** Storm Sewer Map Preparation

**Measurable Goal(s), including frequencies:** Annually review the Storm Sewer Map and update the Map as needed.

**Milestones: Year 13:** Review the Storm Sewer Map and update the Map as needed.

**BMP No. C.2** Regulatory Control Program

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

**Milestones: Year 13:** Adopt an illicit discharge ordinance.

**BMP No. C.4/C.5** Illicit Discharge Tracing/Source Removal Procedures

**Measurable Goal(s), including frequencies:** Develop procedures to trace and remove detected illicit discharges. Annually trace and remove all illicit discharges identified by resident reporting, visual dry weather screening, and public works maintenance activities.

**Milestones: Year 13:** Trace and remove all detected illicit discharges.

**BMP No. C.7** Visual Dry Weather Screening

**Measurable Goal(s), including frequencies:** Annual screening of all outfalls to identify any illicit discharges. Annual screening of 20% of storm sewer structures (manholes, catch basins, and inlets), with a priority placed on storm sewer structures located in industrial areas.

**Milestones: Year 13:** Screen all outfalls and 20% of storm sewer structures.

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

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

**Milestones: Year 13:** Become certified by the County to enforce the County Stormwater Management Ordinance. Enforce the County Ordinance and the Village Code.

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

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

**Milestones: Year 13:** Become certified by the County to enforce the County Stormwater Management Ordinance. Enforce the County Ordinance and the Village Code

**BMP No. F.1** Employee Training Program

**Measurable Goal(s), including frequencies:** Annually conduct formal stormwater pollution prevention training for Village employees on topics such as: dry weather observation of outfalls using the outfall reconnaissance inventory, illicit discharge tracing and source removal procedures, maintenance of green infrastructure (dry wells), and implementing the Stormwater Pollution Prevention Plan for the Wastewater Treatment Facility and Public Works Facility. Document the date, topic, and attendees for employee stormwater pollution prevention training.

**Milestones: Year 13:** Conduct formal stormwater pollution prevention training for Village employees. Document the date, topic, and attendees for employee stormwater pollution prevention training.

**BMP No. F.2** Inspection and Maintenance Program

**Measurable Goal(s), including frequencies:** Annually clean 50% of Village storm sewers and storm sewer structures. Sweep Village streets four times per year and maintain ditches as needed or as requested by residents. Annually document the weight of debris removed from the Village storm sewer system.

**Milestones: Year 13:** Clean 50% of Village storm sewers and storm sewer structures. Sweep Village streets four times per year and maintain ditches as needed. Document the weight of debris removed from the Village storm sewer system.

**BMP No. F.3** Municipal Operations Stormwater Control

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

**Milestones: Year 13:** Review the Stormwater Pollution Prevention Plan and update the Plan as needed.

**E. NOTICE OF QUALIFYING LOCAL PROGRAM**

The Village of Cary is relying on McHenry County to perform BMPs D and E regarding construction and post-construction site runoff control. The Village cooperates with County enforcement of the Stormwater Management Ordinance enforcement by notifying the County of potential ordinance violations and by withholding building permits until applicants have obtained a stormwater management permit from the County.

The Village is in the process of becoming a Certified Community under the McHenry County Stormwater Management Ordinance, which would give the Village the authority to enforce the County Ordinance within the Village limits, including the Construction Site and Post-Construction Stormwater Runoff Control requirements. As the Village takes on this responsibility, it will assure that construction sites are meeting the ILR10 permit requirements as well as the County's Ordinance requirements. The Village will also evaluate its policy of allowing drywells for infiltration in industrial areas and its policy toward long-term maintenance of BMPs.

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

For the period from March 2014 to February 2015, the Village initiated and/or completed the following construction projects:

- Jandus Cutoff Road at U.S. Route 14 Improvement
- 2014 Resurfacing and Water Main Program
- 2014 Sidewalk Replacement Program