



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, 2013 To March, 2014

Permit No. ILR40 0310

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

Name: Village of Cary Mailing Address 1: 307 Spring Street
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 checked="" type="checkbox"/> | 5. Post-Construction Runoff Control | <input checked="" type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input checked="" 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:

5/30/2014

Date:

Director of Public Works/Village Engr

Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

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

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

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

MARCH 2013 TO FEBRUARY 2014 REPORTING PERIOD

VILLAGE OF CARY, ILLINOIS

A. CHANGES TO BEST MANAGEMENT PRACTICES

Changes are proposed to several of the Best Management Practices (BMPs) described in the Village of Cary's Notice of Intent (NOI). Each proposed change is described below.

BMP No. B.6 Program Involvement

Brief Description of BMP: 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.

The Village proposes to replace BMP No. B.6 (Program Involvement – Community Waste Collection Event) with this BMP. This BMP will involve the public in an event that will more directly reduce stormwater pollution.

BMP No. C.7 Visual Dry Weather Observation Program

Brief Description of BMP: Continue annual screening of all outfalls and annual screening of 20% of storm sewer structures, but prioritize screening of the storm sewer structures in industrial areas.

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

Brief Description of BMP: 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 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.

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

Brief Description of BMP: 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 Post-construction Site Stormwater Runoff Control requirements. During this process, the Village will evaluate its policy of allowing drywells for infiltration in industrial areas and its policy toward long-term maintenance of BMPs.

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 2013 to February 2014 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 11: 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. One Year 11 newsletter included an article titled *Stormwater and Water Quality Tips*. Dozens of other newsletters included articles notifying residents of various collection events for 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 11: Post links to stormwater pollution prevention resources on the Village web site.

BMP Status: The Village web site has been updated and now 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 11:** 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 100 volunteers on April 20, 2013 for clean-ups at the following locations:

- West Margaret Terrace at 1st Street detention basin;
- 1st Street right-of-way;
- Veteran's Park detention pond;
- Maplewood School site and detention area;
- Cary-Algonquin Road Cimarron detention basin;
- Silver Lake Road Jaycee Park pond;
- Three Oaks Assisted Living detention area.

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

BMP Status: One Year 11 newsletter included an article titled *Stormwater and Water Quality Tips* that encouraged residents to call the Public Works Department to report illegal dumping. There were no resident reports in Year 11.

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 11:** 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 11: 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 12.

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 11: Trace and remove all detected illicit discharges.

BMP Status: No suspicious discharges were detected or reported in Year 11.

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 including manholes, catch basins, and inlets.

Milestones: Year 11: Screen all outfalls and 20% of storm sewer structures.

BMP Status: The Village screened all outfalls and at least 20% of its storm sewer structures in Year 11.

BMP No. F.1 Employee Training Program

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

Milestones: Year 11: Conduct formal stormwater pollution prevention training for Village employees.

BMP Status: The Village has obtained a DVD for formal staff training on Stormwater Pollution Prevention for Municipal Operations. The DVD will be utilized for staff training beginning in Year 12.

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 11: 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 11 and leaves were collected throughout the Fall. These activities resulted in the collection of approximately 200 tons of material from the drainage system. 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 11: 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 11. No updates to the Plan were necessary.

C. INFORMATION AND DATA COLLECTION RESULTS

During the March 2013 to February 2014 reporting period, the Village continued a Monitoring Plan, which 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 recorded the temperature, pH, and dissolved oxygen. Throughout the year, the monthly average temperature varied between 32.8° – 78.0°, the monthly average pH varied between 7.53 – 9.05 and the monthly average dissolved oxygen varied between 9.6 – 16.8 mg/L.

The Village collected samples from Cary Creek near the Wastewater Treatment Plant and recorded the temperature, pH, and dissolved oxygen. Throughout the year, the monthly average temperature varied between 36.0° – 69.0°, the monthly average pH varied between 7.91 – 8.47 and the monthly average dissolved oxygen varied between 9.7 – 16.0 mg/L.

In Year 12, the Village will continue monitoring these parameters in the Fox River and Cary Creek. The Village will also begin monitoring these parameters at the outlet from two large detention basins for comparison.

D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES

The Village plans to undertake the following activities during the March 2014 to February 2014 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 12: 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 12: 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 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 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 12: 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 12: 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 12: 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 12: 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 including manholes, catch basins, and inlets, with a priority placed on storm sewer structures located in industrial areas.

Milestones: Year 12: 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 12: 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 12: 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 12: 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 12: 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 12: 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.

F. CONSTRUCTION PROJECTS CONDUCTED DURING REPORTING PERIOD

For the period from March 2013 to February 2014, the Village initiated and/or completed the following construction projects:

- 2013 Resurfacing Program
- 2013 Sidewalk Replacement Program
- 2013 Crack Sealing Program
- Briargate Road Parking Lot