



Village of Carol Stream

FRANK SAVERINO, SR., MAYOR • LAURA CZARNECKI, CLERK • JOSEPH E. BREINIG, MANAGER
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May 15, 2018

Illinois Environmental Protection Agency, DWPC
Compliance Assurance Section
1021 North Grand Avenue East, POB 19276
Springfield, IL 62794-9276

Re: Annual Report for NPDES Phase II MS4 General Stormwater Permit Year 15

Please find enclosed the Village of Carol Stream's Annual Report for the National Pollutant Discharge Elimination System Phase II MS4 General Stormwater Permit ILR40 for Permit Year 15. This report includes activities that were undertaken and achieved in conjunction with DuPage County and the Village of Carol Stream that have chosen to co-permit in a countywide effort for this permit program as requested by the Division of Water Pollution Control Permit Section.

The following list the County and Village's permit numbers as participating in the enclosed report of permit achievements for the 15th year of the permit term:

<u>ILR 40 MS4</u>	<u>Permit #</u>
County of DuPage	0502
Village of Carol Stream	0308

If you have any questions about the information contained within the attached Annual Report please give me a call at (630) 871-6220.

Sincerely,

James T. Knudsen, Director of Engineering Services

Enclosure

cc: Joe Breinig, Village Manager
Bob Mellor, Assistant Village Manager
Tia Messino, Assistant to the Village Manager
Phil Modaff, Director of Public Works
Bill Cleveland, Assistant Village Engineer



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, 2017 To March, 2018

Permit No. ILR40 0308

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

Name: Village of Carol Stream Mailing Address 1: 500 North Gary Avenue
Mailing Address 2: _____ County: DuPage
City: Carol Stream State: IL Zip: 60188 Telephone: 630-871-6220
Contact Person: Jim Knudsen Email Address: jknudsen@carolstream.org
(Person responsible for Annual Report)

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

DuPage County Carol Stream Park District

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 type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input 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))


Owner Signature:

James T. Knudsen

Printed Name:

5/15/18
Date:

Director of Engineering Services

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

PUBLIC EDUCATION & OUTREACH

A.1: Distribution of Paper Material

Brief Description of BMP:

Distribute paper and electronic materials to assist in providing information for programs, procedures, and research to residents and non-residents of Carol Stream. These paper materials provide information about various Village programs, including pond shoreline stream bank stabilization, the promotion of BMPs, and provide general guidance on how to improve water quality throughout the County.

Measurable Goals, Including Frequencies:

Number of paper and electronic documents distributed per year.

Milestones – Year 1:

Distribute the Village Newsletter, Happenings, and 1 brochure.

Summary of Accomplishments

Village staffed a booth with The Conservation Foundation at 2 Summer Concert events and provided brochures pertaining to sustainable landscaping.

Village staff distributed DuPage County Stormwater brochures at the Waste Water Treatment Plant Open House on October 7, 2017.

Village Staff made 6 Village and DuPage County brochures available at the Engineering Services counter.

The Village published 5 articles in the E-Stream Newsletter covering various topics related to improving stormwater quality.

The Village provided 2 water billing messages on various topics related to improving stormwater quality.

The Village distributed 7 Twitter tweets on various topics related to improving stormwater quality.

The Village posted 15 Facebook posts on various stormwater quality related topics.

Assessment

The Village achieved its milestone. It should be noted that the Village has discontinued the Village “Happenings” and has replaced it with several social media platforms.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

A.2: Speaking Engagement

Brief Description of BMP:

Invite interested parties to speaking engagements as an additional means to provide the public with information on stormwater related issues and procedures.

Measurable Goals, Including Frequencies:

Number of speaking engagements held per year.

Milestones – Year 1:

Send invitations for 1 speaking engagement.

Summary of Accomplishments

On September 27, 2017, Phil Modaff, Public Works Director, spoke to a class at Glenbard North High School about Public Works Services and career opportunities. A portion of the presentation was dedicated to storm water services and related issues.

The Village advertised (via Facebook) at least one DuPage County Stormwater’s speaking engagement.

Assessment

The Village achieved its milestone, but it did not see a lot of opportunities for speaking engagements. Staff attended DuPage County Stormwater’s events and noted that no Carol Stream residents were in attendance, probably due to a lack of interest in the topic.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

A.3: Public Service Announcement

Brief Description of BMP:

Prepare and release Public Service Announcements to inform Village residents of issues regarding storm water management and water quality.

Measurable Goals, Including Frequencies:

Number of Public Service Announcements released each year.

Milestones – Year 1:

Prepare and release 1 Public Service Announcement.

Summary of Accomplishments

Village Trustee Gieser read a proclamation observing 2017 Earth Day.

Village Trustee McCarthy read a proclamation recognizing Arbor Day on April 28, 2017.

Village Trustee Gieser read a proclamation designating June 19th-25th as Pollinator Week.

The Village prepared and distributed 1 News Releases on various stormwater quality relevant topics.

Village Staff prepared 1 notice on various stormwater quality relevant topics and broadcast them on our public access channel #6.

The Village broadcast 3 messages on various stormwater quality relevant topics on the Gary Avenue electronic sign.

Assessment

The Village achieved its milestone.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

A.4: Community Event

Brief Description of BMP:

Plan, organize, and conduct community events to inform residents on issues regarding stormwater management and water quality.

Measurable Goals, Including Frequencies:

Number of community events held per year.

Milestones – Year 1:

Plan, organize, and conduct 1 community event.

Summary of Accomplishments

The Village held its annual Pond & Stream Sweep on Saturday, May 20th. We had eighteen groups participate in the rain on May 20th, three on May 21st and one on May 27th. Twenty-one ponds with 17.4 miles of shoreline were cleaned of 2,640 pounds of garbage. Our Pond & Stream Sweep was held in coordination with The Conservation Foundation and the DuPage County Stormwater Management Division.

A Waste Water Treatment Plant Open House was held on October 7, 2017 and attracted nearly 300 attendees. The event included guided tours of the plant, educational demonstrations in the lab, and stormwater and environmental information tables staffed by representatives from the Carol Stream Public Library, ComEd, The Conservation Foundation, and DuPage County Stormwater. The Conservation Foundation used display material from the DuPage County Forest Preserve District to educate attendees about how pollution affects the insects and macroinvertebrates within our local streams. DuPage County Stormwater had a booth with brochures, giveaways to encourage residents to sign-up for their e-newsletter, and a water quality model to educate residents on how pollution drains into the local waterways. The plant operators had collected garbage from Klein Creek and placed it in a fish tank as a supplement to the water quality model. Engineering helped to staff the DuPage County Stormwater booth and used a large-screen TV to display images from within Klein Creek and video of the Armstrong Park Reservoir. Attendees also toured the newly developed pollinator meadow, a 1-acre site developed on a de-commissioned section of the treatment facility.

Assessment

Both the Pond & Stream Sweeps and the Waste Water Treatment Plant Open House are annual events that were well attended this year. The Village considers these to be the most effective BMP for Public Education & Outreach.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

A.6: Other Public Education

Brief Description of BMP:

Continue updating the Village's stormwater webpage as needed when new information becomes available.

Measurable Goals, Including Frequencies:

Update the Village's stormwater webpage, as needed.

Milestones – Year 1:

Update the Village's stormwater webpage, as needed.

Summary of Accomplishments

Uploaded Annual Report – Year 14 to the stormwater management webpage to stay compliant with our NPDES IRL40 MS4 permit.

Public Works presented the annual update to its Snow & Ice Control Plan to the Carol Stream Village Board on November 20, 2017.

Assessment

The out-of-date formatting of the Village's website probably reduces the effectiveness of this BMP by limiting the design and type of content that can be displayed. The Village's new website will go live during Year 3 reporting period.

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Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

PUBLIC INFORMATION/INVOLVEMENT

B.3: Stakeholder Meeting

Brief Description of BMP:

Attend stakeholder meetings that provide the opportunity for individuals and groups of people with a vested interest in stormwater management and water quality to exchange ideas and goals.

Measurable Goals, Including Frequencies:

The number of stakeholder meetings attended per year.

Milestones – Year 1:

Attend 1 stakeholder meeting.

Summary of Accomplishments

Village Staff regularly attended DuPage County’s Municipal Engineers Group meetings.

Village Staff regularly attended the bi-monthly DRSCW meetings, as well as meetings of the “Projects” subcommittee and “Chlorides and Winter Management” subcommittee. Village Engineer served as chairman of the latter subcommittee.

Assessment

The above groups continued to be well attended and have been able to maintain active engagement from its members. The Village considers both to be the most effective groups in the area at addressing water quality of our local waterbodies.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

B.4: Public Hearing

Brief Description of BMP:

Conduct public hearings or meetings to allow for public comment and involvement. These meetings afford the opportunity for concerned citizens to gain insight into the different stormwater policies, procedures, regulations, programs, and initiatives. Public hearings can be in the form of information meetings for private as well as public projects, Plan Commission and Zoning Board of Appeals meetings, Village Board meetings or committee meetings.

Measurable Goals, Including Frequencies:

The number of public hearings or meetings conducted per year.

Milestones – Year 1:

Conduct 1 public hearing or meeting.

Summary of Accomplishments

A public hearing on the annual budget for the 2016-2017 Fiscal Year beginning May 1, 2017 was conducted at the April 17, 2017 board meeting. Included in the annual budget are capital improvement projects related to stormwater management.

The Snow & Ice Control Plan was presented to the Board at a meeting on November 20, 2017.

Assessment

The Village believes that the several public hearings conducted exceeded its NOI milestone by providing several opportunities for public comment on a variety of stormwater related topics.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

B.6: Program Involvement

Brief Description of BMP:

Public involvement during annual assessment of the Village's Storm Water Management Program.

Measurable Goals, Including Frequencies:

Provide the public with an opportunity to review and offer comments during annual assessment of the Village's Storm Water Management Program.

Milestones – Year 1:

Annual assessment of the Village's Storm Water Management Program.

Summary of Accomplishments

No changes were made to our Storm Water Management Program policies or procedures. However, the Village worked with DuPage County on an Intergovernmental Agreement regarding becoming co-permittees on the NPDES MS4 permit, as well as provided comments on the draft Notice of Intent prior to its submittal to the IEPA.

Assessment

The Village has put any updates on its SWMP Plan on hold while awaiting resolution of the joint NPDES MS4 permit with DuPage County.

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Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

B.7: Other Public Involvement

Brief Description of BMP:

Create opportunities for Village residents or businesses to become involved in stormwater activities.

Measurable Goals, Including Frequencies:

The number of opportunities created for public involvement in stormwater activities per year.

Milestones – Year 1:

Create 1 opportunity for public involvement in storm water activities.

Summary of Accomplishments

Public Works administered an Adopt-A-Highway program that achieved participation from five (5) volunteer groups that collected trash/debris a total of eighteen (18) times over 5.92 miles of roadside parkway.

The Village collected 1,150 lbs of pharmaceuticals for proper recycling during 2017.

Village collected over 8.5 tons of electronics and 2.61 tons of pumpkins at the November 4 event at the WRC.

Public Works coordinated a tree planting at Jay Stream Middle School as part of Arbor Day on April 29, 2017.

Assessment

The Village considers this year's Adopt-a-Highway program to be moderately successful. The Village's pharmaceutical recycling was impacted due to the move into temporary facilities. Pumpkin collection increased by 180 lbs despite poor weather.

ILLICIT DISCHARGE DETECTION & ELIMINATION

C.1: Storm Sewer Map Preparation

Brief Description of BMP:

Maintain Village Storm Sewer System Mapping.

Measurable Goals, Including Frequencies:

Update the Village's Storm Sewer System Map as needed and provide to DuPage County Illicit Discharge Detection and Elimination Program.

Milestones – Year 1:

Update storm sewer system map as needed.

Summary of Accomplishments

Storm sewers based on approved record drawings from several completed private developments were added to the map.

GIS Interns performed quality control on a portion of the storm sewer map.

Assessment

The Village is in the middle of a multi-year program to perform quality control on its storm sewer utility map.

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Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

C.2: Regulatory Control Program

Brief Description of BMP:

Review and, if needed, amend the Village’s Illicit Discharge Detection and Elimination Ordinance when changes are made.

Measurable Goals, Including Frequencies:

Annual review and amendment, if needed, to the Village’s Illicit Discharge and Elimination Ordinance.

Milestones – Year 1:

Review and, if needed, amend the Village’s Illicit Discharge Detection and Elimination Ordinance.

Summary of Accomplishments

A review of the Ordinance did not result in any revisions during this reporting period.

Assessment

The Village believes that the current IDDE Ordinance is sufficient.

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Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

C.3: Detection / Elimination Prioritization Plan

Brief Description of BMP:

DuPage County is preparing and implementing a Detection/Elimination Prioritization Plan. The Village will continue to work with the Municipal Engineer's Advisory Group to provide feedback and direction to the Plan.

Measurable Goals, Including Frequencies:

Participate in periodic Municipal Engineer Advisory Group Meetings.

Milestones – Year 1:

Attend scheduled meetings.

Summary of Accomplishments

Village Engineering staff has attended several Municipal Engineer Advisory Group Meetings. No feedback or direction on the Plan was requested by the County during this reporting period.

Assessment

The Village believes the current Detection/Elimination Prioritization Plan is adequate.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

C.4: Illicit Discharge Tracing Procedures

Brief Description of BMP:

DuPage County is performing illicit discharge detection and tracing for the Village.

Measurable Goals, Including Frequencies:

Trace potential illicit discharges to their source according to protocol in the Detection/Elimination Prioritization Plan.

Milestones – Year 1:

Trace potential illicit discharges as needed, per prioritization plan.

Summary of Accomplishments

October 5, 2017: An illicit discharge was traced to 146 Alexandra Way.

February 1, 2018: a potential illicit discharge was reported at 170 Tubeway Drive.

Assessment

The Village successfully traced all illicit discharges detected during this reporting period.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

C.5: Illicit Source Removal Procedures

Brief Description of BMP:

Use education and, if necessary, legal remedies to seek elimination of illicit discharges detected by DuPage County.

Measurable Goals, Including Frequencies:

Eliminate detected illicit discharges, per ordinance requirements.

Milestones – Year 1:

Track illicit discharge elimination activities performed by the Village.

Summary of Accomplishments

On October 5, 2017, Public Works was made aware of a possible sanitary sewer discharge from a building at 146 Alexandra Way due to odors emanating from a storm sewer drain in the parking lot. Public Works, Engineering and Community Development staff responded and determined that two bathrooms and a mop sink were connected to the storm sewer. The bathroom and mop sink were tagged “Not Approved for Occupancy” by the Community Development Department and the business tenant locked the facilities to prevent use. Subsequent investigation of other facilities in that building (which is divided between several businesses) revealed that two other improperly connected fixtures existed. Public Works and Community Development staff worked with the property owner to make any necessary corrections and to perform cleanup. Following compliance with Community Development’s instructions to correct the plumbing, an inspection was performed and determine that the threat of illicit discharge no longer existed. The Village submitted the required 24-hour and 5-day reports to the IEPA.

On February 1, 2018, the Village Engineer was contacted by Maureen Bremer from the IEPA concerning a potential illicit discharge she observed while doing an inspection at the business located at 170 Tubeway Drive (Corepipe). Maureen observed a piece of machinery that was located over a sump pump pit that discharges to our storm sewer system and eventually to the Tubeway pump storage facility. Maureen was concerned that hydraulic oil from the machine (which was inoperable) could potentially leak into the sump put and discharge into a storm facility. Upon inspection by Village staff there was no apparent oil leakage into the sump pit and no apparent oil at the outfall in the pond or downstream of the pond. The Public Works Director ordered Corepipe to permanently remove any source of oil from the immediate area of the sump pit and to seal the sump pit in a fashion so as to prevent any overland seepage into the pit. Corepipe was inspected in March, April and May 2018 and found no evidence of oil discharge.

Assessment

The Village received compliance from all illicit dischargers during this reporting period.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

C.6: Program Evaluation & Assessment

Brief Description of BMP:

Track elimination status of illicit discharges detected by DuPage County.

Measurable Goals, Including Frequencies:

Elimination status of illicit discharges detected by DuPage County, with rationale for any illicit discharges not yet eliminated and refined protocol as appropriate.

Milestones – Year 1:

Perform in association with Annual Report.

Summary of Accomplishments

No illicit discharges detected by DuPage County were reported to the Village.

Assessment

The Village considers its IDDE BMP program to be functioning appropriately.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

C.7: Visual Dry Weather Screening

Brief Description of BMP:

DuPage County is performing visual dry weather screening for the Village.

Measurable Goals, Including Frequencies:

Perform dry weather screening according to the schedule, protocol in the Detection/Elimination Prioritization Plan.

Milestones – Year 1:

Perform dry weather screening, per prioritization plan.

Summary of Accomplishments

Public Works staff conducted nine (9) outfall inspections.

Engineering staff conducted outfall inspections while inspecting the condition of its stormwater facilities.

Assessment

Inspections at the outfalls during the reporting period did not indicate any issues. It should be noted that neither IDDE tracked during this reporting year manifested itself at an outfall; both were detected by other means.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

CONSTRUCTION SITE RUNOFF CONTROL

D.1: Regulatory Control Program

Brief Description of BMP:

Carol Stream fully regulates construction site stormwater runoff control per the DuPage County County-wide Storm Water and Flood Plain Ordinance, as adopted through the Village's Storm Water Ordinance.

Measurable Goals, Including Frequencies:

Amend, if needed, the Village Storm Water Ordinance to fully comply with DuPage County County-wide Storm Water and Flood Plain Ordinance.

Milestones – Year 1:

If needed, amend the Village Storm Water Ordinance.

Summary of Accomplishments

No amendments were necessary during the reporting period.

Assessment

The Village believes that the County ordinance is sufficient and no further additions via a Village ordinance are necessary at this time.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

D.2: Erosion & Sediment Control BMPs

Brief Description of BMP:

Require construction site operators to apply erosion and sediment control BMPs, as appropriate, from the DuPage County Water Quality BMP Manual.

Measurable Goals, Including Frequencies:

Attend and apply periodic training on the DuPage County Erosion and Sediment Control BMPs.

Milestones – Year 1:

Attend annual training.

Summary of Accomplishments

The Stormwater Administrator attended DuPage County’s “Pollution Prevention for MS4 Communities” on 04/05/2017, which included a topic regarding SESC.

Assessment

The Stormwater Administrator provided advice and direction to inspectors regarding their field inspections. The Village considers this to be sufficient for this reporting period.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

D.3: Other Waste Control Program

Brief Description of BMP:

Require construction site operators to apply construction waste control BMPs, as appropriate, from the DuPage County Water Quality BMP Manual.

Measurable Goals, Including Frequencies:

Attend and apply periodic training on the DuPage County Waste Control Program.

Milestones – Year 1:

Attend annual training.

Summary of Accomplishments

No specific training was available pertaining to the DuPage County Waste Control Program.

Assessment

The Village believes that training from the previous reporting period was sufficient.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

D.4: Site Plan & Review Procedures

Brief Description of BMP:

Review storm water pollution prevention plans (SWPPPs) for compliance with the Village's Storm Water Ordinance.

Measurable Goals, Including Frequencies:

Reviews of SWPPPs for compliance with the Village's Storm Water Ordinance, as required.

Milestones – Year 1:

Review SWPPPs for compliance with the Village's Storm Water Ordinance and document number of reviews.

Summary of Accomplishments

The Village issued 8 DuPage County Stormwater Management Certifications, which required a review of the SWPPP before issuance.

Assessment

The Village's engineering consultants, Christopher Burke Engineering and Engineering Resource Associates, used teams with extensive experience to review the plans prior to issuance of the stormwater certification. The Village believes that using consultants maximized the Village's ability to perform a thorough review.

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Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

D.5: Public Information Handling Procedures

Brief Description of BMP:

Investigate and resolve construction project related drainage and storm water complaints through the Village's Citizen Service Request (CSR) process.

Measurable Goals, Including Frequencies:

Number of CSRs processed per year.

Milestones – Year 1:

Process CSRs involving storm water complaints.

Summary of Accomplishments

Public Works did not receive any complaints regarding soil erosion from site construction during the reporting period.

Engineering received and responded to a complaint from 444 Randy Road regarding soil erosion from the development at 365 North Avenue.

Assessment

The Village believes the current reporting system is adequate.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

D.6: Site Inspection/Enforcement Procedures

Brief Description of BMP:

Perform SWPPP site inspections and seek to gain voluntary compliance if a violation exists. If necessary, proceed with enforcement actions per Village Stormwater Ordinance.

Measurable Goals, Including Frequencies:

SWPPP site inspections performed per year.

Milestones – Year 1:

Perform and record SWPPP site inspections and where a violation exists seek to gain voluntary compliance. If necessary proceed with enforcement actions.

Summary of Accomplishments

The Village's 2 inspectors performed and documented 9 SWPPP inspections during the reporting period. All instances of non-compliance were addressed.

Engineering conducted enforcement for land movement without a permit at 502 S Schmale Road.

Engineering conducted enforcement for land movement not in conformance with their permit at 2N250 Schmale Road.

Engineering conducted enforcement for land movement without a permit at 319 E Fullerton Ave.

Assessment

The Village believes that its 2 inspectors was sufficient staffing to adequately perform this BMP.

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Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

POST CONSTRUCTION RUNOFF CONTROL

E.1: Community Control Strategy

Brief Description of BMP:

Carol Stream will utilize the control strategies as outlined in the DuPage County Ordinance, the Carol Stream Stormwater Ordinance, and the West Branch DuPage River Watershed Management Ordinance.

Measurable Goals, Including Frequencies:

As updates are made to the County Stormwater Ordinance and the West Branch DuPage River Watershed Management Ordinance, update the Carol Stream Stormwater Ordinance.

Milestones – Year 1:

If needed, amend the Village Stormwater Ordinance.

Summary of Accomplishments

No revisions have been made to the County Stormwater Ordinance or the West Branch DuPage River Watershed Management Ordinance.

Assessment

The Village believes the current ordinance is sufficient to achieve the minimum control measure to the MEP.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

E.2: Regulatory Control Program

Brief Description of BMP:

Carol Stream fully regulates post-construction runoff control per the DuPage County County-wide Storm Water and Flood Plain Ordinance and the West Branch DuPage River Watershed Management Ordinance, as adopted through the Village's Storm Water Ordinance.

Measurable Goals, Including Frequencies:

Amend, if needed, the Village Storm Water Ordinance to fully comply with DuPage County County-wide Storm Water and Flood Plain Ordinance and the West Branch DuPage River Watershed Management Ordinance.

Milestones – Year 1:

If needed, amend the Village Storm Water Ordinance.

Summary of Accomplishments

No revisions have been made to the DuPage County County-wide Storm Water and Flood Plain Ordinance or the West Branch DuPage River Watershed Management Ordinance.

Assessment

The Village believes the current ordinance is sufficient to achieve the minimum control measure to the MEP.

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Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

E.3: Long Term O&M Procedures

Brief Description of BMP:

Continue to require and accept storm water management and conveyance easements per the Village's Storm Water Ordinance.

Measurable Goals, Including Frequencies:

Acceptances of required storm water management and conveyance easements.

Milestones – Year 1:

Require and accept storm water management and conveyance easements per the Village's Storm Water Ordinance and document the number of acceptances.

Summary of Accomplishments

Resolution No. 2989 Accepting a Grant of Storm Water Management and Conveyance Easement (870 W. Army Trail Road, 1340 County Farm Road-Bucky's Fuel Station).

Resolution No. 2993 Accepting a Grant of Storm Water Management and Conveyance Easement (475 S. Schmale Road – First Acorn-Home Depot).

Assessment

The Village believes its process for obtaining easements is sufficient to satisfy this BMP.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

E.4: Pre-construction Review of BMP Designs

Brief Description of BMP:

Perform site plan reviews for BMP compliance with the Village's Storm Water Ordinance.

Measurable Goals, Including Frequencies:

Reviews of site plans for BMP compliance with the Village's Storm Water Ordinance.

Milestones – Year 1:

Review site plans for BMP compliance with the Village's Storm Water Ordinance and document number of reviews.

Summary of Accomplishments

The Village issued 8 DuPage County Stormwater Management Certifications, which required a review of site plans for BMP compliance before issuance.

Assessment

The Village's engineering consultants, Christopher Burke Engineering and Engineering Resource Associates, used teams with extensive experience to review the plans prior to issuance of the stormwater certification. The Village believes that using consultants maximized the Village's ability to perform a thorough review.

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Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

E.5: Site Inspections During Construction

Brief Description of BMP:

Perform periodic site inspections during construction to determine if post-construction BMPs are properly installed per the Village Stormwater Ordinance.

Measurable Goals, Including Frequencies:

Construction site visits per year.

Milestones – Year 1:

Perform and record site inspections during construction and where violations exist, seek to gain voluntary compliance. If necessary, proceed with enforcement actions.

Summary of Accomplishments

The Village employed 2, full-time Engineering Inspectors during the reporting period. One inspector was assigned to every project that received a stormwater management certification and their responsibility was to make regular site visits during construction to ensure compliance.

Engineering received an annual monitoring report for the vegetative BMP's at the Pilot Gas Station.

Engineering enforced corrective measures at 440 Mission Street relating to downspout construction to the rain garden PCBMP.

Assessment

The Village believes that its 2 inspectors was sufficient staffing to adequately perform this BMP.

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Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

E.6: Post Construction Inspections

Brief Description of BMP:

Perform post-construction BMP site inspections and retain securities until violations are resolved.

Measurable Goals, Including Frequencies:

BMP site inspections performed per year.

Milestones – Year 1:

Perform and record construction BMP site inspections and retain securities until violations are resolved.

Summary of Accomplishments

Engineering staff met with representatives from 100 Mercedes Drive regarding establishment for their vegetative PCBMP's.

Engineering staff met with representatives from 116 N Schmale Road regarding re-establishment of their stormwater facility that had apparently been illegally filled over 20 years ago.

Engineering staff met with representatives from 455 E North Avenue regarding improving the maintenance of their stormwater facility.

Assessment

The Village was able to obtain compliance for the violations noted above.

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Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

POLLUTION PREVENTION/GOOD HOUSEKEEPING

F.1: Employee Training Program

Brief Description of BMP

Carol Stream will utilize cooperative efforts by DuPage County as identified in Attachment 2 to meet this minimum control measure, along with DuPage County's NOI. See DuPage County's website Water Quality / Stormwater Permit section for a description of their BMPs, control measures, measurable goals, and milestones.

Measurable Goals, Including Frequencies:

Provide annual training to staff utilizing materials developed by DuPage County.

Milestones – Year 1:

Provide annual training to staff.

Summary of Accomplishments

Engineering staff attended the quarterly meetings of the DuPage River Salt Creek Workgroup (DRSCW) and also participated on the Chloride Reduction and Education Committee and the Projects Committee.

The Stormwater Administrator attended the monthly meetings of the DuPage County Municipal Engineers Group.

Operation of the Water Reclamation Center (WRC) is contracted to Jacobs Engineering (formerly CH2M), who conducted their annual training on the WRC's Storm Water Plan for 6 employees in April 2017.

The Stormwater Administrator and Public Works Supervisors attended DuPage County's "Pollution Prevention for MS4 Communities" on 04/05/2017.

The Stormwater Administrator attended DuPage County's "Green Infrastructure Seminar for MS4 Communities" on 11/29/2017.

The Stormwater Administrator attended ASCE's "Illinois MS4 Implementation Seminar" on 02/27/2018.

Training for Public Works staff on various stormwater quality related topics is listed on the table below.

A pre-winter meeting with snow removal contractors has been scheduled for October 10.

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Training Description
Brine tank operation, maintenance and cleaning
DRSCW public roads deicing workshop
Organic de-icer use and storage
Pollution prevention for MS4 communities
Snow & Ice leadership seminar (APWA/Vaisala)
Submersible pump operation and maintenance
Science of sewer-jetting
Pesticide applicator/operator
Reading water/sewer utility plans

Assessment

The Village's Engineering and Public Works supervisors attended several trainings on general pollution prevention and Public Works staff receive extensive training on winter operations that address chloride pollutants. Staff below the supervisor level would benefit from additional training on general pollution prevention measures.

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Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

F.2: Inspection & Maintenance Program

Brief Description of BMP

Inspect and maintain Village facilities, right-of-way, and stormwater systems according to protocol in Village's Stormwater Management Program (SWMP) Plan.

Measurable Goals, Including Frequencies:

Annually assess inspection and maintenance protocol and refine if needed.

Milestones – Year 1:

Assess as part of annual SWMP assessment for Annual Report.

Summary of Accomplishments

Public Works inspected manholes on 20,000 lineal feet of storm sewer main.

Public Works cleaned 4 catch basins and rebuilt/repared 11 catch basins.

Native landscape maintenance by Bedrock Earthscapes was performed at 13 Village-owned stormwater facilities, 1 roadway swale, and 1 wetland area on public property. Maintenance included pond shoreline controlled burns, herbaceous and emerging woody cuttings, selective herbiciding, and trash removal.

Prior to the mowing season and in response to heavy winds, Public Works picked up trash and debris around Village ponds and some rights-of-way during the week of 04/07/2017.

Assessment

The Village believes its current process for inspection and maintenance satisfies this BMP to the MEP.

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Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

F.3: Municipal Operations Storm Water Control

Brief Description of BMP

Continue employing both pre-wetting and anti-icing measures in the Village's annual Snow Removal Plan. Continued maintenance of salt dome.

Measurable Goals, Including Frequencies:

Deployment of pre-wetting and anti-icing measures. Continued maintenance of salt dome.

Milestones – Year 1:

Utilize both pre-wetting and anti-icing measures and document effectiveness. Continued maintenance of salt dome.

Summary of Accomplishments

During this reporting period 1,680 curb miles were swept and approximately 264 tons of sweeping debris collected.

A storm event overnight on 06/28/2017 left a small area in the older part of the Village with damage to dozens of parkway trees. Street Division crews were deployed with two chippers (one borrowed from the Park District), two tractors with clam buckets, and followed by our contract street sweeper cleaning up the area. Facebook messages were posted advising residents of the cleanup efforts and how to dispose of brush from private property trees through garbage collection.

Assessment

The Village believes its current process for waste disposal satisfies this BMP to the MEP.

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Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

F.4: Municipal Operations Waste Disposal

Brief Description of BMP

Properly dispose of waste removed from the separate storm sewers and areas such as dredge and excess soil, accumulated sediments, floatables, and other debris.

Measurable Goals, Including Frequencies:

Properly disposed waste from separate storm sewers, creeks, spoils, etc. per protocol in the SWMP Plan.

Milestones – Year 1:

Properly dispose of waste, debris, trash, spoils, etc.

Summary of Accomplishments

The following materials used in Public Works operations were recycled:

- Motor oil: 700 gallons
- Scrap metal: 26,617 pounds
- Tires: 61
- Vehicle batteries: 34
- Vehicle parts: 45
- In addition, 67.5 cubic yards of spoil were tested and hauled

Public Works installed a dog waste station at the WRC pollinator meadow this week. WRC staff will monitor and empty the station, garbage and recycling bins.

Assessment

The Village believes its current process for waste disposal satisfies this BMP to the MEP.

Annual Facility Inspection Report – Section B

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

F.5: Flood Management/Assess Guidelines

Brief Description of BMP

Coordinate with DuPage County to minimize water quality impacts of flood management projects, following guidance in West Branch DuPage River Watershed Plan.

Measurable Goals, Including Frequencies:

Minimize water quality impacts of flood management projects performed by DuPage County.

Milestones – Year 1:

Review/assess proposed flood management projects, as needed.

Summary of Accomplishments

Engineering reviewed the “Armstrong Park Flood Control Project Annual Monitoring Report for 2017 LRC-2012-00452)” provided by DuPage County on January 17, 2018. This reports represents data collected during the second growing season following planting for vegetative-based BMP’s.

Assessment

The Village believes that coordination with DuPage County was successful for this BMP during this reporting period.

Annual Facility Inspection Report – Section C

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

As a dues paying member, the Village relies on the DuPage River Salt Creek Workgroup (DRSCW) to perform the monitoring requirements of this permit. Please refer to the attached report titled “DRSCW NPDES Activities: March 2017 – February 2018”.

Annual Facility Inspection Report – Section D

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

As stated in our NOI the following are activities that the Village of Carol Stream will undertake during year three of the revised third permit cycle. However, the Village anticipates operating under the Notice of Intent as a co-permittee with DuPage County and so the Best Management Practices and goals may be revised.

PUBLIC EDUCATION & OUTREACH

A.1: Distribution of Paper Material

Distribute the Village Newsletter, post to social media, and make available at least 1 brochure.

A.2: Speaking Engagement

Send invitations for 1 speaking engagement.

A.3: Public Service Announcement

Prepare and release 1 public service announcement.

A.4: Community Event

Plan, organize and conduct 1 community event.

A.6: Other Public Education

Update the storm water web page if needed.

PUBLIC INFORMATION/INVOLVEMENT

B.3: Stakeholder Meeting

Attend 1 stakeholder meeting.

B.4: Public Hearing

Conduct 1 public hearing or meeting.

B.6: Program Coordination

Review and if needed update the Village's Storm Water Management Program.

B.7: Other Public Involvement

Create 1 opportunity for public involvement in storm water activities.

ILLICIT DISCHARGE DETECTION & ELIMINATION

C.1: Storm Sewer Map Preparation

Complete quality control on 90% of the public and private storm sewer network as a GIS map.

C.2: Regulatory Control Program

Review and if needed amend the Illicit Discharge Detection and Elimination Ordinance.

C.5: Illicit Source Removal Procedures

Provide all individuals/parties responsible for an illicit discharge with educational materials and/or instructions.

C.6: Program Evaluation & Assessment

Compare number of illicit discharges removed against number traced to source, review procedures and amend as necessary.

CONSTRUCTION SITE RUNOFF CONTROL

D.1: Regulatory Control Program

If needed amend the Village Storm Water Ordinance.

D.4: Site Plan & Review Procedures

Review SWPPPs for compliance with the Village's Storm Water Ordinance and document number of reviews.

D.5: Public Information Handling Procedures

Process CSRs involving storm water complaints.

D.6: Site Inspection/Enforcement Procedures

Perform and record SWPPP site inspections and where a violation exists seek to gain voluntary compliance. If necessary proceed with enforcement actions.

POST CONSTRUCTION RUNOFF CONTROL

E.2: Regulatory Control Program

If needed amend the Village Storm Water Ordinance.

E.3: Long Term O&M Procedures

Require and accept storm water management and conveyance easements per the Village's Storm Water Ordinance and document the number of acceptances.

E.4: Pre-construction Review of BMP Designs

Review site plans for BMP compliance with the Village's Storm Water Ordinance and document number of reviews.

E.6: Post Construction Inspections

Perform and record construction BMP site inspections and where a violation exists seek to gain voluntary compliance. If necessary proceed with enforcement actions.

POLLUTION PREVENTION/GOOD HOUSEKEEPING

F.2: Inspection & Maintenance Program

Inspect and clean 50 catch basins and vacuum sweep each street 8 times per year.

F.3: Municipal Operations Storm Water Control

Utilize both pre-wetting and anti-icing measures and document quantities.

F.4: Municipal Operations Waste Disposal

Properly dispose of waste, debris, trash, spoils, etc. and document quantities.

***F.5: Flood Management/Assess Guidelines
Stormwater & Flood Plain Ordinance Updates***

If needed amend the Village Storm Water Ordinance.

Annual Facility Inspection Report – Section E

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

Implementation of the following minimum control measures was shared with DuPage County. Please refer to DuPage County's Annual Facility Inspection Report, to which this report is attached.

- 1. Public Education and Outreach on Storm Water Impacts***
 - a. Develop educational material for the public.***
 - b. Distribute educational material to the public.***
- 2. Public Involvement / Participation***
 - a. Conduct an annual public meeting regarding adequacy of the MS4 program.***
 - b. Identify environmental justice areas.***
- 3. Illicit Discharge Detection and Elimination***
 - a. Provide outreach on the hazards associated with illegal discharges and improper disposal to public employees, businesses, and the general public.***
 - b. Develop and implement a plan to detect and address non-stormwater discharges, including illegal dumping.***
 - c. Conduct periodic inspections of storm sewer outfalls in dry weather conditions.***
- 4. Post-Construction Storm Water Management in New Development and Redevelopment***
 - a. Conduct annual training on green infrastructure and low impact design techniques for employees and contractors involved in routine maintenance, repair, or replacement of public surfaces.***
 - b. Assess the water quality impacts in the design of all new and existing flood management projects.***
- 5. Pollution Prevention and Good Housekeeping for Municipal Operations***
 - a. Develop an operation and maintenance program, including annual training, for municipal staff and contractors, to prevent and reduce the discharge of pollutants from open space and vehicle maintenance, land disturbances, deicing practices and snow disposal, disposal of street cleaning debris and catch basin material, etc.***

Annual Facility Inspection Report – Section F

Year 15 of NPDES Permit No. ILR40-0308

Village of Carol Stream, 3rd N.O.I.-Revised (Year 2)

CONSTRUCTION PROJECT LIST

The Village performed several construction projects from its proposed FY17/18 Capital Improvement Program, but none of them disturbed one or more acres.

Description (NPDES Permit No.)	Start Date - Substantial Comp. Date