



Carol Stream
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Village of Carol Stream

FRANK SAVERINO, SR., MAYOR • LAURA CZARNECKI, CLERK • JOSEPH E. BREINIG, MANAGER
500 N. Gary Avenue • Carol Stream, Illinois 60188-1899
(630) 665-7050 • FAX (630) 665-1064
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May 31, 2016

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 13

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 13. 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 thirteenth 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
Chris Oakley, 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, 2015 To March, 2016

Permit No. ILR40 0308

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

Name: Village of Carol Stream Mailing Address 1: 500 N. Gary Avenue
Mailing Address 2: _____ County: DuPage
City: Carol Stream State: IL Zip: 60188 Telephone: (630) 871-6220
Contact Person: James 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 Knudsen

Printed Name:

5/31/16
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

IL 532 2585
WPC 691 Rev 6/10
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.

NOTE

For each BMP see DuPage County’s Annual Report for the Village’s participation in qualifying local programs that were implemented countywide.

PUBLIC EDUCATION & OUTREACH

A.1: Distribution of Paper Material

Goals

Carol Stream utilizes paper materials to assist in providing information for programs, procedures, and research to residents and non-residents of Carol Stream. The Village has created two brochures: *Pond Shoreline Restoration Program* and *Living Along A Shoreline Or Stream Bank – How The Village Maintains These Valuable Areas & What You Can Do To Help*, and one booklet: *Jay Stream Shoreline Enhancement Project – Plant Identification Photo Gallery*. We also use numerous other brochures, fact sheets and handouts developed by other organizations such as DuPage County, The Conservation Foundation, Forest Preserve District of DuPage County, United Recycle, COM2, Flood Bros., Clarke Environmental Mosquito Management Inc., Illinois Environmental Protection Agency, Christopher B. Burke Engineering, Ltd. and other governmental agencies. These paper materials provide information about various Village programs, including pond shoreline stream bank stabilization; the promotion of best management practices; and provide general guidance on how to improve water quality throughout the County.

The Village will continue to distribute existing brochures, fact sheets and handouts as well as the publication of Correspondent News articles and Village Happenings newsletter articles. As new material is developed the additional material that is prepared by other groups and agencies will be distributed.

Year 1 Milestones

Distribute the Village Newsletter, Happenings and 1 brochure.

Summary of Accomplishments

Village Staff distributed and made the following informational material available:

- ◆ *Adopt-a-Stream Program – DuPage County Stormwater Management Division*
- ◆ *Annual Pond & Stream Sweep*
- ◆ *Annual Recycling Event*
- ◆ *Christmas Tree Pick Up Service*

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Year 13 of NPDES Permit No. ILR400308 **Village of Carol Stream, 3rd Notice of Intent (Year 2)**

- ◆ *Conservation in Carol Stream – Native Tree & Shrub Sale*
- ◆ *Controlled burns scheduled by the Village*
- ◆ *Discounted Leaf Sticker Use Period*
- ◆ *DuPage Conservation Foundation Resources – Purchase a Rain Barrel*
- ◆ *eCycle – Protect your environment*
- ◆ *Earth Hour – March 19th, 2016*
- ◆ *Electronics Curbside Disposal and Landfill Ban*
- ◆ *Energy Efficiency Workshop for Homeowners*
- ◆ *Free Christmas Tree & Wreath Pick Up – January 2nd – January 15th, 2016*
- ◆ *Free Electronics Recycling – January 4th – January 29th, 2016*
- ◆ *Free Document Shredding*
- ◆ *Free 2-Week Holiday Tree & Greenery Collection January 2nd - January 16th*
- ◆ *Free Leaf Pick Up Week – 11/16th – 11/20/15*
- ◆ *Foundation programs may provide alternatives*
- ◆ *Great Western Trail Clean Up*
- ◆ *Holiday Lights Recycling Program Begins Monday, November 17th*
- ◆ *Holiday Lights Recycling Program deadline is Monday, February 2.*
- ◆ *Humanitarian Service Project Paper Drive*
- ◆ *Last week to use Fall Leaf Stickers and Dispose of Other Yard Wastes*
- ◆ *Latex paint recycling*
- ◆ *Lawn sprinkling regulations*
- ◆ *Leaf collection stickers available*
- ◆ *Outdoor Water Use – DuPage Water Commission*
- ◆ *Volunteers and Community Groups Needed for Pond & Stream Sweep – May 16th, 2015*
- ◆ *Pond Sweep “Thank You”*
- ◆ *Pumpkin Recycling – November 7th, 2015*
- ◆ *Recycle your Holiday Lights – Beginning November 16th, 2015*
- ◆ *Recycle US Flags*
- ◆ *Recycling drug program available all year long*
- ◆ *Rx Box Disposing Meds Safely – DuPage County Health Department*
- ◆ *Six Week Fall Leaf Sticker Use Snow & Ice Plan 2015 -2016*
- ◆ *Village already looking to next winter season – 2015/2016 Salt purchase*
- ◆ *Village to host energy efficiency workshop for homeowners – May 7th, 2015*
- ◆ *Volunteers needed for local environmental clean-up event – May 16th, 2015*
- ◆ *Water Reclamation Center Open House*
- ◆ *Water Restrictions – Odd-Even In Effect Year Round*

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- ◆ *Wheaton Recycling & Document Shredding Event – April 11th, 2015*
- ◆ *Work pacts approved for Reclamation Center*

The following articles were prepared and published in the E-Stream Newsletter:

- ◆ *Artificial Feeding is Harmful to Wildlife & Waterfowl*
- ◆ *Comprehensive Plan for Carol Stream.*
- ◆ *Community Invited to OPEN HOUSE on the Comprehensive Plan*
- ◆ *Community Invited to Open House on Comprehensive Plan*
- ◆ *Document Shred for Residents*
- ◆ *2015 Earth Hour*
- ◆ *Discount Leaf Stickers*
- ◆ *During Severe Weather Season, Subscribe to CodeRed*
- ◆ *Electronics Curbside Disposal & Landfill Ban*
- ◆ *Free Leaf Pick Up*
- ◆ *Hazard Tree Code Requirements*
- ◆ *Holiday Lights Recycling*
- ◆ *Holiday Lights Recycling - Deadline*
- ◆ *Keeping DuPage County COOL Saves You Money*
- ◆ *Klein Creek Flood Mitigation Project in Armstrong Park named the Environmental Project of the Year by the Suburban Branch of the Illinois Public Works Association.*
- ◆ *Latex Paint Recycling Event*
- ◆ *Local Code Requires Removal of Dead Trees*
- ◆ *Leaf Stickers – Discounted Leaf Stickers and Use Period.*
- ◆ *8 Days & Counting Before Start of the National Mayor's Water Conservation Contest*
- ◆ *National Nite Out*
- ◆ *Native Planting Project*
- ◆ *Native Tree & Shrub Sale*
- ◆ *National Night Out*
- ◆ *New Lawn Sprinkling Restriction*
- ◆ *Outdoor Composting Workshop*
- ◆ *Parkway Tree Maintenance Update*
- ◆ *Pond Sweep Volunteers Needed*
- ◆ *Pond & Stream Sweep Great Success!*
- ◆ *Pond & Stream Sweep "Thank You"*
- ◆ *Preliminary Flood Rate Map Open House*
- ◆ *Pumpkin Recycling Event – Village of Carol Stream*

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- ◆ *Rain as a Resource Workshop*
- ◆ *Raking Leaves into Curb/Street is Prohibited*
- ◆ *Recycle your Halloween Pumpkins*
- ◆ *Recycling & Document Shredding Event.*
- ◆ *Deadline to recycle holiday lights – January 29th, 2016*
- ◆ *Recycling of Holiday Lights*
- ◆ *Recycle Prescription and Over the Counter medications*
- ◆ *Reducing Salt/Deicers in Winter*
- ◆ *Road Salt Conservation*
- ◆ *RX Box Disposing Meds Safely – Carol Stream*
- ◆ *RX Recycle 24/7/365 @ Carol Stream Police Department*
- ◆ *Salt Conservation Measures*
- ◆ *Shoe Recycling Event*
- ◆ *Snow Removal Plan*
- ◆ *Snow & Ice Plan*
- ◆ *Village awarded Low Salt Usage Award by the DuPage Conservation Foundation for sustainable achievement in municipal snow removal operations.*
- ◆ *Village to Compete in National Water Conservation Contest*
- ◆ *Yard Waste Pick Up Service Resumes April 4th*
- ◆ *Yard Waste Sticker Locations*
- ◆ *Water Reclamation Center Open House*
- ◆ *Waste Water Treatment Plant Open House was held this past October that saw over 200 attendees tour the state of the art facility and actively participate in the environmental and conservation education efforts hosted by participating agencies.*
- ◆ *Watering Restrictions – Outdoor Watering Restrictions in Effect Year Round*
- ◆ *Wayne Township Reuse and Recycle Event*
- ◆ *Wheaton to Host April 9th Document Shred*

The Village Staff prepared and published several Village Happenings newsletter articles on:

- ◆ *Comprehensive Plan Open House*
- ◆ *DuPage County Agencies to Host Disaster Preparedness Open House*
- ◆ *Fall Leaf stickers*
- ◆ *6-Week Fall leaf Sticker Use Period Begins October 12th*
- ◆ *Fall Leaf Pick-Up Schedule*
- ◆ *Free 2-Week Holiday tree & Wreath Pick Up Begins Friday, January 2nd*
- ◆ *Holiday Lights Recycling*
- ◆ *Holiday Tree & Greenery Collection*

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- ◆ Latex Paint Recycling Drop Off Begins Monday, June 15th
- ◆ Mayor Asks Water Customers to Participate in National Conservation Competition – Just a 2% reduction in water use during April will save 1.8 million gallons of water.
- ◆ Mosquito Control in your Backyard
- ◆ Raking leaves into the Street or Curb is **PROHIBITED**
- ◆ September is National Preparedness Month – Time to Increase your Readiness
- ◆ National Nite Out
- ◆ Outdoor Watering Restrictions in Effect Year Round
- ◆ Paint, Carpet Recycling & Residential Document Shredding Event
- ◆ Pond & Stream Sweep Volunteers Needed
- ◆ Pumpkin Recycling Event hosted by Village of Carol Stream – November 7th
- ◆ Raking Leaves into the Street or Curb is Prohibited
- ◆ Recycling & Document Shred Event
- ◆ Recycle Prescription & Over the Counter Medications
- ◆ Recycling Extravaganza – Wheaton, Saturday, April 11th, 2015
- ◆ Residential Yard Waste Collection Service Resumes Monday, April 6th, 2015
- ◆ Special Saturday latex Paint Recycling Drop Off Event Set for July 11th
- ◆ Village of Carol Stream 2015 Progress Report
- ◆ Village Code Requires Property Owners to Remove Dead/Diseased Trees
- ◆ Village, Park District & Conservation Foundation to Host Rain Harvesting Workshop
- ◆ Village Board Approves Road Salt Conservation Measures
- ◆ Village Steps up Response to Ash Borer
- ◆ Volunteers Needed for May 16th Pond Sweep Environmental Clean Up Event
- ◆ Wayne Township Recycling Event
- ◆ Wheaton Recycling & Document Shred Event
- ◆ Yard Waste Service Resumes the April 6th, 2015 Collection Week

The following water billing messages were sent out:

- ◆ Annual Pond & Stream Sweep
- ◆ Yard Waste Pickup Resumes – April 6th, 2015
- ◆ Conservation in Carol Stream – Native Tree & Shrub Sale
- ◆ Earth Hour – March 19, 2016
- ◆ Energy Efficiency Workshop for Homeowners – May 2015
- ◆ Free Electronics Recycling – January 4th – January 29, 2016
- ◆ FREE Leaf Pick Up
- ◆ Holiday Lights Recycling

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- ◆ *Recycle Halloween Pumpkins – November 7th, 2015*
- ◆ *Recycle & Document Shred Event*
- ◆ *Recycling Event*
- ◆ *Water Reclamation Center – Open House*
- ◆ *Wheaton Recycling & Document Shredding Event – April 11, 2015*
- ◆ *Free Christmas Tree & Wreath Pick Up*

The following topics had tweets on the Village's Twitter account ([twitter@carol_stream](https://twitter.com/carol_stream)):

- ◆ Document Shredding
- ◆ Energy Efficiency Workshop
- ◆ Pond Sweep Volunteers Needed (May 21, 2016)
- ◆ Athletic Shoe Recycling
- ◆ Energy Efficiency Workshop
- ◆ Rain Barrels Available from the DuPage Conservation Foundation
- ◆ Wayne Township Hosts Recycling & Document shredding Event
- ◆ Attend the Gardening Resources Fair @ The Library
- ◆ Latex Paint Recycling
- ◆ Native Tree & Shrub Landscape Material Available from the Conservation Foundation
- ◆ Hanover Park to Host Recycling & Document Shredding Event
- ◆ Smart Thermostats Available from ComEd
- ◆ Book Rescue Event @ SCARCE this Saturday
- ◆ No Raking Leaves into the Curb or Over a Storm Grate
- ◆ Pumpkin Recycling Event Planned
- ◆ Holiday Lights Recycling Program to Kick Off
- ◆ Do Not Dump Turkey Frying Grease Down the Sink
- ◆ Green Holiday Gift Guide
- ◆ Recycle Your Electronics All During January
- ◆ Free Christmas Tree Recycling
- ◆ Book Rescue Event this Saturday
- ◆ Deadline to Recycle Holiday Lights Nears
- ◆ Organic Garden Club to Host Gardening Resource Fair

The Village posted the following topics on its corporate Facebook page ([FACEBOOK@VilofCarolStream](https://www.facebook.com/VilofCarolStream)):

- ◆ Public Works Department Low Salt Award Presentation from the DuPage Conservation
- ◆ Free Document Shredding Event
- ◆ SCARCE Energy Efficiency Workshop

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- ◆ Pond Sweep Volunteers Needed
- ◆ Athletic Shoe Recycling
- ◆ Earth Day Celebration
- ◆ Arbor Day Tree Planting & Western Trails School
- ◆ Rain Barrels Available from the DuPage Conservation Foundation
- ◆ Recycling & Document Shredding Event @ Wayne Township
- ◆ DuPage Garden Club to Host Gardening Fair @ the Library
- ◆ Pond Sweep a Huge Success
- ◆ Latex Paint Recycling
- ◆ Hanover Park Hosts Recycling & Document Shredding Event
- ◆ Water Reclamation Center Public Open House
- ◆ Do Not Rake Fall Leaves into the Curb & Storm Sewer
- ◆ Pumpkin Recycling Event
- ◆ Do Not Dump Turkey Grease Down the Drain
- ◆ Holiday Light Strand Recycling
- ◆ Christmas Tree Recycling
- ◆ Sparingly Use Snow Melt Around Property & Sweep up Excess for Reuse
- ◆ Last Week to Recycle Holiday Light Strands
- ◆ Recycle Your Rx & OTC Meds 27/7/365 in Village Hall Drop Box
- ◆ No Artificial Feeding of Waterfowl
- ◆ Klein Creek Flood Mitigation Project Receives Award from APWA
- ◆ DuPage Organic Garden Club to Host Gardening Fair
- ◆ Celebrate 2016 Earth Hour
- ◆ Village Establishes a Monarch Butterfly Waystation
- ◆ Pond Sweep Volunteers Needed for May 21st, 2016

The Village Board adopted the following proclamations and resolutions:

- ◆ *Proclamation Designating April 19th – 25th Tornado Preparedness Week (April 20th, 2015)*
- ◆ *Proclamation Celebrating Earth Hour 2016 (March 7th, 2016)*
- ◆ *Proclamation Declaring April 22nd as Earth Day.*
- ◆ *Proclamation Declaring April 24th as Arbor Day.*
- ◆ *Proclamation Designating March 21st – 27th Tornado Preparedness Week (March 21, 2016)*
- ◆ *Proclamation Supporting The Conservation Foundation's Conservation in our Community Program and the 2015 Tree Replacement Program.*
- ◆ *Proclamation Designating September 2015 National Preparedness Month*

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The DuPage River Salt Creek Workgroup prepared and distributed the following:

- ◆ Rethinking Winter Roads Policy In Carol Stream
- ◆ A Water Resource Guide to Bioassessment

A.2: Speaking Engagement

Goals

The Village has used speaking engagements as an additional means to provide the public with information on storm water issues, procedures, and information. Village Staff have previously made several different presentations and seminars on storm water quality and will continue to present information to residents and elected officials on storm water quality issues and solutions.

Year 1 Milestones

Send invitations for 1 speaking engagement.

Summary of Accomplishments

The Director of Public Works addressed a Glenbard North High School class regarding issues related to Public Works services including the delivery of clean drinking water, protection of streams, creeks and rivers from contaminants and treatment of sanitary sewage prior to release into Klein Creek.

The Director of Public Works addressed a group of high school and college students at the Outreach Community Center focused on careers in Public Works, featuring the delivery of clean drinking water and the protection of streams, creeks and rivers from contaminants in storm and sanitary sewage.

The Village hosted an Open House at the Water Reclamation Center (WRC) attended by over 300 people. The event included guided tours of the plant and the various processes led by treatment professionals, educational demonstrations in the lab, storm water and environmental information tables staffed by representatives of The Conservation Foundation, Library District and the local mosquito abatement service provider (Clark Mosquito). The event also included a tree sale hosted by the Conservation Foundation.

At the State of the Village a presentation was conducted by the Mayor advertising the Village's Annual Pond & Stream Sweep Event.

Engineering was actively engaged in the DuPage River Salt Creek Workgroup (DRSCW) and Illinois Environmental Protection Agency (IEPA) TMDL meetings serving on the Chloride Reduction and Education Committee and the Projects Committee.

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Village Engineer presented the Chloride Reduction Program to the DRSCW.

Village Engineer Jim Knudsen spoke at the 2016 DuPage Environmental Summit on the success of our Pond & Stream Seep Program.

Village hosted special workshop meeting to discuss: WRC Operating & Management Contract; and, IEPA NPDES Wastewater Treatment Plant

The DRSCW hosts bimonthly meetings where technical presentations are made on a variety of water quality topics and surface water management subjects. The audience consists of mainly stormwater and wastewater professionals but the general public is also welcome to attend. Presentations made are listed below:

- ◆ March 11, 2015 – DRSCW NPDES Special Conditions
- ◆ April 29, 2015 – 2012 West Branch Basin Assessment Results
- ◆ June 24, 2015 – DuPage County Wetland Map Update
- ◆ June 24, 2015 – Oak Meadows Golf Course Rebuild and Ecological Restoration
- ◆ August 25, 2015 – Proposed MS4 Permit
- ◆ August 25, 2015 – Navigating Winter with the Illinois Tollway
- ◆ October 28, 2015 – Oak Meadows Dam Removal and Stream Restoration
- ◆ December 9, 2015 – Beads of Destruction: A Survey of Great Lakes Plastic Pollution
- ◆ February 24, 2016 – Permit Special Condition Review and Schedule
- ◆ February 24, 2016 – Chloride Reductions and Management
- ◆ February 24, 2016 – Fawell Dam Modification Update
- ◆ April 21, 2015 – Continuous dissolved Oxygen program update and refresher workshop for participating agencies (DRSCW & LDRWC)
- ◆ June 18, 2015 – Central States Water Environment Association – Illinois Section Collections Systems Seminar, Aurora. Oak Meadows Project Identification and Design
- ◆ September 3, 2015 – IWEA NRR Annual Workshop, Addison. DRSCW’s Watershed Approach
- ◆ October 14, 2015 – Chicago Wilderness Strategy Group on Water Management.
- ◆ October 15, 2015 – Lower DuPage River Watershed Coalition’s Public Roads Deicing Workshop
- ◆ October 15, 2015 – Representative Fine and Sierra Club Presentation. PAH Concentrations in the Upper DuPage and Salt Creek Watersheds
- ◆ October 19, 2015 – MWRD-GC Board Study Meeting – Data Driven Solutions to Aquatic Life Impairments
- ◆ November 10, 2015 – Chicago Wilderness Strategy Group on Water Management
- ◆ January 21, 2016 – Lower DuPage River Watershed Coalition – Update on the West Branch/DuPage River TMDL Development
- ◆ January 28, 2016 – POTW Member Special Meeting

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A.3: Public Service Announcement

Goals

Public service announcements are utilized to reach large groups of people and inform them of issues regarding storm water management and water quality. The Village will continue with the preparation of News Releases.

Year 1 Milestones

Prepare and release 1 public service announcement.

Summary of Accomplishments

The Village prepared and distributed numerous News Releases that included:

- ◆ DuPage County Armstrong Park Ribbon Cutting Ceremony
- ◆ APWA and ACEC Recognize Klein Creek Flood Mitigation Project
- ◆ Free Document Shred Event hosted by DuPage County and Choose DuPage
- ◆ Free Leaf Pick Up Week
- ◆ Leaf Stickers – Use Discounted Leaf Stickers & Save
- ◆ Annual Pond & Stream Sweep
- ◆ National Flood Insurance Program (NFIP) to reduce the impact of Flooding on private & public buildings and structures.
- ◆ Federal Emergency Management Agency has released a preliminary Flood Insurance Rate Map (FIRM)
- ◆ Illinois State Water Survey (ISWS) hosting an Open House, Wednesday July 29th, 2015
- ◆ Free Leaf Pick Up: November 16 – 20 Collection Week -10/2/15
- ◆ Village to Host Pumpkin Recycling Event – 10/16/15
- ◆ Free Leaf Pick Up Week Scheduled for the November 16th Collection Week – 11/6/15
- ◆ Recycle Broken Holiday Lights Beginning Monday, November 16 – 11/6/15
- ◆ Final Yard Waste Collection Week is November 23 – 28 – 11/13/15
- ◆ Deadline to Recycle Your Holiday Lights is Friday, January 29th, 2016 – 1/15/16
- ◆ Volunteers & Community Groups Needed for May 21st Pond Sweep – 3/25/16
- ◆ Yard Waste Service Resumes the April 4th Collection Week – 3/25/16
- ◆ Water Customers to Compete in National Water Conservation Challenge
- ◆ Village Launches Conservation in the Community Program Initiative
- ◆ Rain Barrels Harvest Rain and Reduce Stormwater Runoff

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- ◆ *Holiday Tree Lighting Ceremony Set for Friday – December 4th*
- ◆ *Village to Host Energy Efficiency Workshop for Homeowners*

The following articles were in the local newspapers:

- ◆ *17th Annual Pond & Stream Sweep – May 16th, 2015*
- ◆ *Armstrong Park Project Update given to board*
- ◆ *Carol Stream Savers Recycles, Supports Nonprofits*
- ◆ *Carol Stream takes steps to conserve salt supply*
- ◆ *Deadline to recycle holiday lights is Friday, January 29, 2016*
- ◆ *Earth Day a chance for residents to stand up for environment*
- ◆ *Flood control improvement project completed by DuPage County*
- ◆ *Flood relief project unveiled in Carol Stream*
- ◆ *Free Leaf Pick up set for week of November 16th*
- ◆ *Join the Arbor Day Foundation to have 10 trees planted in national forests*
- ◆ *Leaf Collection Stickers Available*
- ◆ *Multiple agencies combine to host ribbon-cutting event*
- ◆ *Open House event to mark start of public input period on new flood data*
- ◆ *Pond and Stream Sweep May 17th, volunteers needed*
- ◆ *Join us of the annual Pond & Stream Sweep Event on Saturday, May 16, 2015*
- ◆ *Post-Holiday Recycling Event Relay for Life Event*
- ◆ *Tree Planting underway in Carol Stream*
- ◆ *Village approves pact in preparation for winter*
- ◆ *Village partners with CH2M HILL to host open house event*
- ◆ *Village to participate in new community conservation program*
- ◆ *Village getting jump on new water conditions*
- ◆ *Village offers drug disposal drop box plan*
- ◆ *West Branch DuPage River Watershed Focus Group*

Village Staff prepared the following notices and broadcast them on our public access channel #6:

- ◆ *Household Hazardous Waste Facility*
- ◆ *Electronics Recycling*
- ◆ *Lawn Sprinkling Regs*
- ◆ *Pond Sweep Volunteers Needed*
- ◆ *Free Holiday Tree & Wreath Collection*
- ◆ *WRC Open House*
- ◆ *Earth Hour*

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- ◆ Latex Paint Recycling
- ◆ Great Western Trail Spring Clean Up
- ◆ DuPage Conservation Foundation Resources
- ◆ Recycle US Flags
- ◆ Recycling Event & Document Shred – April 23
- ◆ Electronic Recycling
- ◆ Pumpkin Recycling
- ◆ Holiday Lights Recycling
- ◆ Document Shredding – April 23

The following Gary Avenue electronic sign messages were broadcasted:

- ◆ Electronics Recycling – Savers, Goodwill and Bloomingdale Twp Highway
- ◆ Pumpkin Recycling
- ◆ Holiday Lights Recycling
- ◆ Document Shredding – April 23, 2015 – Glendale Heights Public Works Facility
- ◆ January 2-15 Free Pick Up of Christmas Trees
- ◆ Free Document Shred Event – April 30, 2015
- ◆ Earth Hour – March 19, 2016
- ◆ Recycle Electronics – May 8th 2015 Ross Ferraro Town Center
- ◆ Electronics Landfill Ban – It's the Law
- ◆ Village Code Prohibits Raking Leaves into Curb. Clear Fallen Leaves From Storm Inlets
- ◆ Paint & Carpet Recycling – October 19th Dupage County Govt. Center
- ◆ Be Part Pond & Stream Sweep on May 21st, 2016
- ◆ Recycle & Document Shredding April 23 – Public Works Facility
- ◆ RxBox Saturday April 23 – Police Department Walk Up Lobby
- ◆ Recycle Your Pumpkins November 7th, 2015
- ◆ Join Now Water Conservation April 1 -30
- ◆ WRC Open House October 3, 2015 – Facility Tours & Exhibits
- ◆ Outdoor Water Restrictions in Effect Year Round

DRSCW public service announcements included:

- ◆ The DRSCW website (www.drscw.org) was maintained during the reporting period and periodically updated with presentations and material.
- ◆ A searchable database with information on local aquatic biodiversity, habitat, sediment and water column chemistry was added.
- ◆ The DRSCW created a “Water Resource manager’s Guide to Aquatic Bioassessment” to be finalized in 2016.
- ◆ Public information available on the website includes:

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- Chloride Fact Sheets aimed at mayors and managers, public works staff, commercial operators, and homeowners.
- Example Salt Storage and Handling Ordinances and Policies
- Model Facilities Plan for Snow and Ice Control
- A fact sheet summarizing alternative deicing products.
- A brochure on coal tar sealants as a source of Polycyclic Aromatic Hydrocarbons (PAHs) aimed at homeowners (produced by the University of New Hampshire Stormwater Center)
- Detailed reports on the biological and chemical conditions of area waterways

DuPage County “Currents” Stormwater Management articles included:

- ◆ 2015 Parking Lot & Sidewalk Deicing Workshop
- ◆ 2015 Public Agency Deicing Workshop
- ◆ Adopt-a-Stream Fall Kickoff
- ◆ APWA, IAFSM Recognize DuPage Project
- ◆ APWA and ACEC Recognize Klein Creek Flood Mitigation Project
- ◆ DuPage County Projects Progressing Throughout Summer
- ◆ Klein Creek Project Utilized During Recent Rainfall
- ◆ DuPage County Flood Mitigation Projects Moving Forward
- ◆ Klein Creek Flood Mitigation in Carol Stream
- ◆ Klein Creek Project Utilized During Recent Rainfall
- ◆ SWM Opens Water Quality Grant
- ◆ APWA and ACEC Recognize Klein Creek Flood Mitigation Project
- ◆ APWA recognizes Klein Creek Project
- ◆ West Branch DuPage River Watershed Workshop
- ◆ Stormwater Management Hosts RainReady Workshop
- ◆ Construction of Reservoirs at Klein Creek Project Complete
- ◆ SWM continues to meet with Stakeholders
- ◆ Village of Carol Stream’s pond shoreline, stream bank and wetland restoration presentation by Jim Knudsen and Bill Cleveland.
- ◆ Winfield Creek Stakeholder Group Meeting

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A.4: Community Event

Goals

Community events provide opportunities for Carol Stream personnel to provide information to volunteers, residents, businesses and the general public about a variety of storm water management and water quality issues. The Village utilizes several different events to reach these people and will continue to provide educational material to all volunteers in our annual Pond & Stream Sweep event.

Year 1 Milestones

Plan, organize and conduct 1 community event.

Summary of Accomplishments

The Village held its annual Pond & Stream Sweep on Saturday, May 16th, 133 volunteers, 19 groups removed 4,080 lbs. of trash and debris from 20 miles of shorelines along 22 ponds and stream sections. 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 this past October that saw over 250 attendees tour the state-of-the-art facility and actively participate in the environmental and conservation education efforts hosted by participating agencies.

The Village hosted an Open House at the Water Reclamation Center (WRC) attended by over 300 people. The event included guided tours of the plant and the various processes led by treatment professional, educational demonstrations in the lab, storm water and environmental information tables staffed by representatives of The Conservation Foundation, Library District and the local mosquito abatement service provider (Clark Mosquito). The event also included a Conservation in our Community - Carol Stream Native Tree & Shrub Sale hosted by the Conservation Foundation.

The Adopt-A-Highway program utilized volunteers from five (5) community organizations to perform fifteen (15) cleanings removing trash from twenty-one (21) miles of roadways.

A.6: Other Public Education

Goals

Other public education initiatives allow further opportunities to promote storm water management and water quality issues. The Village will finalize the creation of the environmental web page.

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Year 1 Milestones

Update the storm water web page if needed.

Summary of Accomplishments

The Village’s “Environmental Web Portal” and “Storm Water Management” web page offers a wealth of information on the Village’s efforts toward addressing storm water quality issues and how residents can make an impact. Updated the stormwater management web page to stay compliant with our NPDES IRL40 MS4 permit.

Engineering was actively engaged in the DuPage River Salt Creek Workgroup (DRSCW) and Illinois Environmental Protection Agency (IEPA) TMDL meetings serving on the Chloride Reduction and Education Committee and the Projects Committee. The DRSCW continued providing the following public educational activities:

- ◆ The online stream resource searchable database with information on local aquatic biodiversity, habitat, sediment and water column chemistry was updated.
- ◆ The online data viewer and searchable database, indicating monitoring locations throughout the three basins, was updated to include data from the Lower DuPage River Watershed Coalition.

The Village hosted an Open House at the Water Reclamation Center (WRC) attended by over 300 people. The event included guided tours of the plant and the various processes led by treatment professionals, educational demonstrations in the lab, storm water and environmental information tables staffed by representatives of The Conservation Foundation, Library District and the local mosquito abatement service provider (Clark Mosquito). The event also included a tree sale hosted by The Conservation Foundation.

Water Reclamation Center (WRC) staff hosted several Boy Scout and Girl Scout Troops and students from several local schools ranging from primary through high school for educational tours of the treatment facility. The WRC also hosted the Fox Valley Operators Association where treatment professionals from the region toured the facility.

Public Works is preparing a comprehensive public education plan on the pollinator meadow mix for use on several public properties within the Village.

The Conservation Foundation’s 2016 DuPage Environmental Summit – Making Conservation Meaningful Where You Live

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PUBLIC INFORMATION/INVOLVEMENT

B.3: Stakeholder Meeting

Goals

Stakeholder meetings provide the opportunity for individuals and groups of people with a vested interest in storm water management and water quality to exchange ideas and goals. The Village will continue support of the DRSCW, Municipal Engineers Advisory Group and the Storm Water Quality Stakeholders' Committee meetings.

Year 1 Milestones

Attend 1 stakeholder meeting.

Summary of Accomplishments

Village Staff regularly attended and provided input at Municipal Engineers Group meetings on the following topics:

- ◆ Busse Woods Flood Control Modification
- ◆ DuPage County Wetland Map Update
- ◆ MEG – Sample Draft Standard Details and Notes
- ◆ Coordination to Develop Additional PCBMP Scenarios
- ◆ Countywide Flooding Response Program
- ◆ Streamlined Permit Process – No Impact, Proximity to Special Management Area
- ◆ Sump Pump/Downspout Discharge (irregularities)
- ◆ Stormwater Management Public Outreach
- ◆ Stormwater Solutions for Water Quality
- ◆ Stormwater Program Assessment & Financial Analysis
- ◆ NPDES Phase II Training for Municipal Employees
- ◆ Open discussion of FEMA/ISWS Open House Commencement of the Public Comment Period for Preliminary FIRM Maps
- ◆ Debate/Discussion : Permit Irregularities/Special Conditions – Engineering/Wetlands
- ◆ Stormwater Program Assessment & Financial Analysis
- ◆ DuPage River Feasibility Study
- ◆ Sandless Sandbags
- ◆ Pre-cast Stormwater Solutions – The Next Generation in permeable Pavement
- ◆ EPA Rule

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- ◆ Proposed updated requirements of the NPDES ILR40 Permit
- ◆ BMP success/implementation and timeline for updating Technical guidance manual
- ◆ Municipal Engineers Group (MEG) – Sample Draft Standard Details & Notes; Coordination to Develop Additional PCBMP Scenarios
- ◆ NPDES Annual Report
- ◆ River Sweep and Adopt-a-Stream Program thru The Conservation Foundation
- ◆ Stormwater Management Public Outreach – FloodBreak
- ◆ Stormwater Management Public Outreach – NPDES Phase II Training for Municipal Employees
- ◆ Stormwater Management Public Outreach – DuPage River Feasibility Study
- ◆ DuPage County Stormwater Management Program

Village Staff regularly attends the DRSCW meetings to discuss and address TMDL issues. The Village provided financial support to the DRSCW. Staff participates with other Municipal Engineers, Public Works Directors, POTWs, IEPA and various environmental groups. The DRSCW accomplished the following:

- ◆ 2012 West Branch Basin Assessment – Presenter: Chris Yoder, Research Director, Midwest Biodiversity Institute
- ◆ Chloride Reduction Committee
 - Date for the 2015 public roads workshop has been set for 23rd September
 - Chloride Committee Update
 - Chloride Offset Program with the Illinois Tollway - Update
- ◆ Final Draft of Special Conditions for POTW members’ NPDES Permits
 - Speical Conditions Permit Language Update
- ◆ Funding update (SB2081)
 - IGIG grant program – update
- ◆ Projects Committee
 - Fawell Dam Update
 - Oak Meadows Update
 - PAHs & Coal Tar sealants (CTS) update
 - Lower Salt Creek Watershed Plan Update
- ◆ Monitoring Committee
 - Dissolved Oxygen
 - Bioassessment
 - Winter Chlorides
 - Bioassessment Users Guide Update
- ◆ Watershed Committee Updates – West Branch, East Branch and Salt Creek
- ◆ DRSCW Calendar, WEFTEC 2015 – Application for track on “Stream Geomorphology and Restoration 101
- ◆ TMDL Development for the DuPage River/Salt Creek

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- ◆ Water Quality Collector Application
- ◆ Municipal Engineers Group (MEG)
- ◆ Proposed Waters of the US Rule

Village Staff attended and participated in these following other meetings:

- ◆ Discussion of Programs offered by the Conservation Foundation – Special Workshop Meeting
- ◆ The Conservation Foundation – Conservation at Home Workshop
- ◆ Rain is a Resource Workshop
- ◆ DuPage County Open House - Updated flood plain maps and data
- ◆ Public Works met with Glenbard North representative to discuss snow removal from sidewalks in areas where students walk to school.
- ◆ DuPage County Armstrong Park Flood Control Reservoir, Pump Station and Siphon Project status meetings
- ◆ Comprehensive Plan Project Steering Committee meetings.
- ◆ Planning for 2020-Assessing the Needs of Businesses in Carol Stream’s Industrial Park meeting
- ◆ Meetings for The Conservation Foundation’s (TCF) Conservation in our Community Program
- ◆ Meeting for 14-unit-1.7 acre townhome development on unincorporated property on the north side of St. Charles just east of President
- ◆ DuPage County Stormwater staff presentation on their Program Assessment for Stormwater Management
- ◆ Staff met to discuss enforcement options for the proper maintenance of the storm water facility on the northeast corner of Kehoe/Kimberly.
- ◆ Executive Development Committee (EDC) met and reviewed plans for development of the northeast and southeast corners of Gary/Lies.
- ◆ May 7th The Conservation Foundation (TCF) hosted an Inflow & Infiltration (I/I) Reduction Workshop at the Fountain View Recreation Center at 7:00 PM. The workshop is one element in our partnership in TCF’s Conservation in our Community Program. The workshop will deal with illegal connections, poor drainage, applicable regulations and effective solutions. By design, Village staff will not attend the workshop to create a non-threatening environment that will foster voluntary compliance.

Village Staff met or corresponded with several prospective developers including: Aldi Expansion, Affordable Office Interiors, A.J. Antunes – building addition, American Flange, AT&T Mobile Communications Property, Buchanan Energy, Caputo’s Outlot Development, Carol Stream Park District – (Simkus Recreation Center & Community Park), Carol Stream Park District – Memorial Park, Carol Stream Park District – Simkus Center Parking Lot Resurfacing Project, Carol Stream Armstrong Park Baseball Field No. 1 (North end), Carol Stream Park District Kids World Tot Lot, Charter Fitness, Christian Brothers Automotive Repair Facility, College of DuPage Regional Center, DuPage County Gary Avenue Multi-Use Path Project, Frain Industries, Flying J/Pilot Marketplace, Gary/Lies – Northeast/Southeast Corners for Development, 190 S. Gary, Gas Station at Fair Oaks/Army Trail Notice of Violation, Geneva Crossing Phase II, Glenbard North’ Green Organics – Landscape Waste Transfer Facility, Habitat for Humanity, Home Depot, DCT/CoreCentric (Invensys Property), Jet- Brite Car Wash, John & Tony’s Preamnaxation Agreement Expiration, 700-710 Kimberly, Kimberly Redevelopment – Auto Auction, Manhattan Club, Lexington Homes, Mercedes Benz, Meyer Material, Mobile Station, Morton & North Avenue Vacant Property, NAI Hiffman, O’Reilly Auto Parts, Outreach Community Center, Owens and Minor Distribution Inc., Ozinga Brothers, North Avenue (Travel Center), Packaging Personified, Papa Rays, Pilot Travel Plaza, Pizzeria Da Nella, Prinova – Sanitary Sewer Discharge, Prince Castle, Red Hawk Park Annexation, Red Rooster Shopping Plaza, Rockin’ Jump,

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Royal Die & Stamping, 423 St. Paul Blvd., Scrap Metal Recycling, SE Corner Gary & Lies, School District 93, Sherwin Williams, Southeast Corner Fair Oaks/Army Trail Road Shopping Center, S&S International, Spectators, St. Charles Rd. Townhome Project, Trucking Company, University of Illinois Agricultural Extension Service - Turf Expert, Vale & County Farm Townhomes, Wheaton Christian Center, Wayfair, and Wayne Township.

Two existing industrial businesses have contacted Community Development seeking information about available vacant land or building space for expansions.

B.4: Public Hearing

Goals

The Village utilizes several different 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 storm water policies, procedures, regulations, programs and initiatives. Public hearings can be in the form of informational meetings for private as well as public projects, Plan Commission and Zoning Board of Appeals meetings, Village Board meetings or committee meetings. Changes or variances to the Storm Water Ordinance will require Village Board approval at a Board meeting.

The Village will hold public meetings as necessary for any storm water ordinance changes or variances; continue to hold Plan Commission and Zoning Board of Appeals and Village Board meetings for subdivisions, grant of easements, annexations, preliminary plans, special use permits and planned unit developments and conduct open house informational meetings on major Village projects.

Year 1 Milestones

Conduct 1 public hearing or meeting.

Summary of Accomplishments

The Village accomplished many tasks at Village Board meetings to satisfy our permit obligations for this BMP. The Village Board took action on 18 special use requests/PUDs/corridor submittals, 1 ordinance revisions, 1 annexation agreements, 7 variations, 4 plat of subdivision, 1 grant of stormwater easements, 2 IGA resolutions and on these other following items:

- ◆ :Acceptance Cool DuPage Initiative and Goals
- ◆ Authorizing Comments to Illinois State Water Survey
- ◆ Authorizing Participation 2016 ComEd Green Region Program
- ◆ Declaring Support of the “Wyland Mayor’s Challenge for Water Conservation
- ◆ Endorsing Greenest Region Compact 2

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Village staff also improved its notification procedures for public hearings.

A revision to the County stormwater Ordinance is required to allow fee-in-lieu of a volume control best management practice (VCBMP). The amendment will allow a developer to pay a fee-in-lieu when it is unfeasible or impractical to construct a VCBMP.

Draft recommendations memo for the Comprehensive Plan project has been sent to the Steering Committee for review.

Engineering attended the open house preliminary flood plain maps. Municipalities attending the open house were informed on the process for making corrections to the maps.

DuPage County has received IEPA grant for Watershed Plan Development for Impaired Waterways. Klein Creek is included in the grant. The watershed plan deals strictly with water quality and requires assessments of all detention ponds in the watershed.

Public works coordinated the delivery of 1,000 tons of salt. A rented conveyor placed the salt into the dome. Staff developed an ingenious rig for pretreating the salt with geo melt (beet juice extract).

B.6: Program Coordination

Goals

The Village's Storm Water Management Program provides policy, direction and procedures to ensure all programs are properly coordinated. The Village will continue to review and update the Program as needed.

Year 1 Milestones

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

Summary of Accomplishments

No changes were made to our Storm Water Management Program policies or procedures.

The new NPDES MS4 permit was released on February 10 with an effective date of March 1. A revised Notice of Intent must be submitted and our Stormwater Management Program (SWMP) must be updated. The Village has hired a consultant and are currently working on developing a revised NOI.

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A change was made in our administrative practice to include and make record of resident inquiries in the Customer Service Request (CSR) system even if the call does not require a work order but only resulted in responding to a question or directing the caller to another department or outside agency. This provides some additional history in case of an on-going issue.

B.7: Other Public Involvement

Goals

In 1999 the Village began its annual Pond & Stream Sweep clean up event. This event was modeled after the popular DuPage County River Sweep where volunteers clean up sections of rivers. The Village had previously implemented a successful Adopt-A-Highway Program and felt our ponds and streams also needed attention. The Village began its Pond Shoreline & Stream Bank Restoration Program in 1998. This Program saw the completion of four restoration projects utilizing bioengineering practices on pond shorelines, stream banks and wetlands. The Village then began its Pond & Stream Management Program where these and other natural areas are continually evaluated and maintained.

The Village will continue with the Pond & Stream Sweep and Adopt-A-Highway Programs as well as maintaining the existing illegal dumping signs around the protected areas. The Village is working on an event promoting use of the drop box for pharmaceuticals.

Year 1 Milestones

Create 1 opportunity for public involvement in storm water activities.

Summary of Accomplishments

The Village held its annual Pond & Stream Sweep on Saturday, May 16th, 133 volunteers, 19 groups removed 4,080 pounds of garbage and debris from 20 miles of shorelines along 22 ponds and stream sections. Our Pond & Stream Sweep was held in coordination with The Conservation Foundation and the DuPage County Stormwater Management Division.

Nine Barrels containing 510 pounds of pharmaceuticals were delivered to DuPage County for proper disposal.

The collection of pharmaceuticals continues to be very successful. In 2015, 1,332 pounds were collected. From 2009-2015, 9,362 pounds have been collected. The drugs are being removed from the waste stream and from possible misuse or abuse.

DuPage County Health Department recently announced the largest collection to date for its RxBox for unwanted medications. Nearly 3,400 pounds of medication were collected. In late of July 7.5 drums of medications were collected from our box in the Police Department. Over two

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drums of medications have been received since August 16th. This program has really caught on. From 2012 through 2014 our site has diverted 4,283 pounds of pharmaceuticals from the waste stream.

DuPage County Sherriff's SWAP program performed a cleaning of Fair Oaks Road from North Avenue to St. Charles Road. Approximately 200 pounds of garbage was collected.

Kuhn Road from St. Charles to Army Trail and Fair Oaks Road from Army Trail to North Avenue. Approximately 400 pounds of garbage was collected.

Carol Stream held many recycling events:

- ◆ Athletic Shoe Recycling
- ◆ Free Document Shredding, Village of Carol Stream
- ◆ Latex Paint Recycling
- ◆ Holiday Cooking Oil
- ◆ Christmas Tree Recycling
- ◆ Recycling of Holiday Lights
- ◆ RX Box Disposing Meds Safely
- ◆ Recycling Pumpkins

The Village also publicized recycling events in surrounding towns:

- ◆ *Wayne Township Hosts Recycling and Document Shredding Event*
- ◆ *Hanover Park Hosts Recycling & Document Shredding Event*

The pumpkin recycling event resulted in the collection of 3,460 pounds of pumpkins.

The Adopt-A-Highway program utilized volunteers from five (5) community organizations to perform fifteen (13) cleanups removing trash from twenty-one (17) miles of roadway.

The Village published its Snow & Ice Removal Plan on the official Village website including details of the use of anti-icing and de-icing materials, the recently adopted salt conservation strategies and the importance of judicious use of all products containing chlorides and the impact on rivers and streams.

The Director of Public Works addressed a Glenbard North High School class regarding issues related to clean drinking water, including an element regarding the role that storm water plays in the water cycle.

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A Waste Water Treatment Plant Open House was held this past October that saw over 200 attendees tour the state-of-the-art facility and actively participate in the environmental and conservation education efforts hosted by participating agencies.

The Village hosted an Open House at the Water Reclamation Center (WRC) attended by over 300 people. The event included guided tours of the plant and the various processes led by treatment professionals, educational demonstrations in the lab, storm water and environmental information tables staffed by representatives of The Conservation Foundation, Library District and the local mosquito abatement service provider (Clark Mosquito). The event also included a tree sale hosted by The Conservation Foundation.

The Village is an active participant in the DRSCW. Their public involvement and participation activities included:

- ◆ Dissolved Oxygen (DO) Monitoring – Ambient DO, ph, temperature and conductivity were measured at 11 sites under the continuous DO monitoring program. All DO data was collected under a Quality Assurance Plan agreed upon with IEPA1. A map of monitoring locations is given in Map 1. Sites were maintained by DuPage County, municipal and private environmental organization staff. Sondes are supplied to the program by DuPage County Stormwater Management and MWRDGC. DuPage County Public Works provides the program with sonde calibration and maintenance, in addition to coordinating summer and winter deployment. Data collected in this report is used to develop the DRSCW Bioassessment report for the watershed. The data is shared with IEPA for development and review of the 303(d) List.
- ◆ Bioassessment Monitoring – Bioassessment sampling was carried out in the East Branch DuPage River basin. A total of 35 sites (excluding DO sonde locations) were sampled for water column chemistry, sediment chemistry (at select sites), Fish IBI (Index of Biological Integrity) and macro invertebrate IBI, and Qualitative Habitat Evaluation Index (QHEI). The sediment and water column sampling parameters are listed in Table 1, sample site locations are shown in Map 1.
- ◆ Winter Chloride Monitoring – Winter chloride levels in the watersheds are monitored using continuous conductivity (a 2008 DRSCW study established a strong correlation between ambient winter conductivity and chloride levels in the Upper DuPage and Salt Creek Watersheds). Winter chloride levels were monitored at 5 locations during the winter of 2014-15 (hourly from December 2014 to March 2015). These locations are shown on map 1. Summer chloride concentrations were gathered under the surface water monitoring program outlined under bullet two.
- ◆ Data from the plan is used to produce the Bioassessment analysis, to identify and prioritize stormwater, wastewater and restoration projects. Data is shared with IEPA as requested for use in the state's 303(d) list. Reports for assessments for the period 2006-2012 are available on line at <http://drscw.org/>.

ILLICIT DISCHARGE DETECTION & ELIMINATION

C.1: Storm Sewer Map Preparation

Goals

The Village has created a map showing the location of all storm sewer outfalls within our jurisdiction. This map was created using a global positioning system (GPS) to locate features and a geographical information system (GIS) to map those features. We have also created a GIS storm sewer system map utilizing an existing Mylar map. These maps have been provided to DuPage County in GIS format and will be utilized in their regional IDDE Program for monitoring and tracing purposes. We have begun collecting GPS coordinates and attribute data on all the storm sewer network features.

The Village will update our MS4 storm sewer outfall map as necessary. We will continue to collect GPS coordinates of storm water map features and revise our storm sewer system map. Both the storm sewer system and storm sewer outfall maps will be provided to DuPage County as updates are made.

Year 1 Milestones

Complete 40% of the public and private storm sewer network as a GIS map.

Summary of Accomplishments

Continuous updating of the GIS water, sanitary sewer and stormwater atlases.

Began to migrate utility information from VCS's model over to MGP's model starting with sewer and sanitary features.

Due to a significant number of comments on the proposed flood plain maps the 90 day appeal period has been postponed. DuPage County, Illinois State Water Survey and FEMA are working on resolutions to the comments. The 90 day appeal period will be initiated once the revised preliminary comment period has been completed.

C.2: Regulatory Control Program

Goals

Carol Stream was required to participate with DuPage County and other municipalities in the formation of regulatory controls as part of the IDDE control measure. Carol Stream participated in the Storm Water Quality Stakeholders' Committee monthly meetings throughout all five years of the permit. The

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Committee's recommendations on mapping, monitoring, tracing and enforcement processes and procedures were periodically brought to the Municipal Engineers Advisory Group. The Committee has also produced a draft IDDE ordinance.

The Village will adopt an Illicit Discharge Detection & Elimination ordinance and continue to participate on the Municipal Engineers Advisory Group in the preparation of regulatory processes and procedures.

Year 1 Milestones

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

Summary of Accomplishments

Village Staff regularly attended and provided input at Municipal Engineers Group meetings on the following topics:

- ◆ Water Quality Collector Application
- ◆ Municipal Engineers Group (MEG)
- ◆ Proposed Waters of the US Rule

Village Engineer is an active participant in the DRSCW. The Monitoring Committee oversees monitoring of all three watersheds.

A letter has been received from four environmental advocacy groups stating that the soon to be issued NPDES permit for the WRC is in violation of the Clean Water Act and that the permit does not go far enough in reducing pollutant loads. Three other waste water treatment plants received the same letter. The DuPage River Salt Creek Workgroup had been assured by the groups that they supported the language drafted for the permit. The Workgroup is attempting to resolve the matter and has been in direct contact with the environmental groups.

C.5: Illicit Source Removal Procedures

Goals

The Village's IDDE ordinance will provide the necessary legal structure and the authority to remove the source of an illicit discharge. This measure is being written into Carol Stream's IDDE ordinance and will be tested when an illicit discharge has been detected. Upon notification from DuPage County that they have positively identified the illicit discharge source, the Village will follow the protocols to have the illicit discharge removed.

Carol Stream staff will measure the success of this BMP by reviewing how many illicit discharges were removed compared to how many were traced to their source. If there are instances where an illicit discharge source was identified but we were not legally able to remove that discharge the removal procedures and process may need to be modified.

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Year 1 Milestones

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

Summary of Accomplishments

Baxter & Woodman will provide assistance with compliance requirements for the new WRC operating permit. CH2M will provide assistance with compliance work related to phosphorous removal planning and feasibility. Work on updating our pretreatment ordinance, completion of a Capacity, Management Operations and Maintenance (CMOM) study, studies on copper, zinc and ammonia and overall project management including timely communications with IEPA will be undertaken in the current fiscal year and extend over the next two fiscal years.

Staff at the Water Reclamation Center completed refresher training on the storm sewer system protection plan and standard operating procedures

The water reclamation plant fully complied with its EPA discharge standards.

On June 15, 2015, the Village experienced significant rainfall (over 3.5”). As a result, the influent flow rate at the Water Reclamation Center (WRC) increased from a normal daily flow rate of 4.5 MGD to over 18 MGD. That evening staff and plant operators agreed to enact an established operational plan to side-stream some flow into on-site excess storage (an offline clarifier and several aeration basins) in order to maintain normal treatment operations until such time that the flow rate decreased and the stored flow could be returned to the front end of the treatment process for full treatment. The biology of the plant was closely managed throughout the next several days and no violations occurred.

On September 24, 2015, the Superintendent of Public Works employee followed up on an anonymous report that someone from the business located at 190 Easy Street in Carol Stream had been seen pouring a blue substance into a storm sewer catch basin on private at the referenced property. Upon inspection the Superintendent observed evidence of a blue substance on and around the pavement and top of the catch basin and inside the underground basin structure and pipes leading into it. The scene was also inspected by the Director of Public Works and both employees questioned the property owner, who acknowledged dumping a small amount of polyester TGIC high-gloss blue streak (a powder coating) into the basin. Village employees inspected downstream lines and structures and found no evidence that the powder coating had moved beyond the single catch basin, which was cleaned by Village employees. A letter was sent to the business owner ordering him to cease and desist and advising him that his action violated Illinois law and local ordinance. He was also sent information regarding the Clean Water Act and the local Illicit Discharge Detection and Elimination Ordinance. The owner was required to provide a written statement acknowledging his understanding of the information provided, a commitment to cease and desist illicit discharge activities and a written plan to properly handle the disposal of this material (and any others) from that point forward.

Public Works and WRC staff collaborated on a response to the IEPA violation notice reported last week. Both items were immediately corrected and standard operating procedures developed and implemented shortly thereafter.

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The Village received a letter from four environmental advocacy groups (EAGs) to IEPA stating the soon to be issued NPDES permit for our Water Reclamation Center is in violation of the Clean Water Act (CWA) and the permit doesn't go far enough towards reducing pollutant loads. The DRSCW is attempting to resolve the issue and has been in direct contact with the EAGs.

On September 24, 2015, a Public Works employee followed up on a report that someone from your business had poured a blue substance into a storm water catch basin at 190 Easy Street. Upon inspection the employee observed evidence of a blue substance on and around the pavement and top of the catch basin and inside the underground catch basin and pipes leading to it. The material was identified as “polyester TGIC high-gloss blue streak” manufactured by American Powder Coatings, Inc. Your actions constitute an illicit discharge under Illinois law. An acknowledgement of your understanding of this information, a commitment to cease and desist illicit discharge activities and your plan to properly handle the disposal of this material (and any others from this point forward).

Public Works crew responded to a water main break on Regency Drive on Tuesday night to make repairs.

USEPA staff spent four days this week at the WRC reviewing the Village's Industrial Pre-treatment Program (IPP). The review included a complete assessment of the Village's ordinance, limits, permitting processes and record keeping.

C.6: Program Evaluation & Assessment

Goals

Carol Stream staff will review our mapping, regulatory control program and source removal procedures of the IDDE Program on an annual basis. The review will focus on the effectiveness of the Program and recommendations will be provided when staff believes changes should be made to the program. A review of the program is an essential step that will allow Carol Stream to modify the IDDE Program as it is needed. The success of this BMP will be measured by the number of reviews performed. If the Program is successful, and there are no recommendations calling for any changes to the Program, this step will have afforded staff the opportunity to learn from the successes of the Program. Any necessary changes to the mapping, regulatory control or source removal procedures that would aid in removing illicit discharges will be evaluated for modifications to the Program. Changes will be made where deemed appropriate and necessary.

Year 1 Milestones

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

Summary of Accomplishments

Staff at the Water Reclamation Center completed refresher training on the storm sewer system protection plan and standard operating procedures.

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Engineering staff regularly attended and provided input at Municipal Engineers Group meetings where updates to the DuPage County Storm Water Ordinance occur.

Engineering Staff is a member and active participant in the DRSCW which monitors all three watersheds and worked on the facilitation of the fecal coliform TMDL.

Village staff attended the following educational seminars:

- ◆ Submersible pump removal, cleaning, maintenance and installation
- ◆ Underground Storage Tank A/B Operator Training
- ◆ MS4 Compliance Audit Seminar
- ◆ DuPage River Watershed Workshop
- ◆ Brine-making process
- ◆ Salt spreader control operations
- ◆ Clear Roads De-icing Forum
- ◆ New NPDES Permit Special Conditions
- ◆ Snow & Ice Leadership Conference
- ◆ Departmental Snow Plan Training/Review
- ◆ Parking lots sidewalk de-icing workshop
- ◆ Pump Maintenance – Infrastructure Improvements
- ◆ Applying Long-term thinking to Winter Maintenance

A revision to the County Stormwater Ordinance is required to allow fee-in-lieu of a volume control best management practice (VCBMP). The amendment will allow a developer to pay a fee-in-lieu when it is unfeasible or impractical to construct a VCBMP.

DuPage County has informed us that the Stormwater Committee will begin discussing funding options to address the \$1.8M operating deficit at their March meeting.

CONSTRUCTION SITE RUNOFF CONTROL

D.1: Regulatory Control Program

Goals

In 1991 Carol Stream adopted and implemented the DuPage County Countywide Storm Water and Flood Plain Ordinance (Storm Water Ordinance). The Storm Water Ordinance has been amended numerous times over the past seventeen year, five times since the last NOI was issued in February 2002 and most recently in February 2006. The Storm Water Ordinance promotes effective, equitable, acceptable and legal storm water management control measures. Carol Stream enforces all provisions of the Storm Water Ordinance. The Storm Water Ordinance was revised in February '06 to reflect changes to the sediment and erosion control provisions. However, updating Technical Guidance Appendix E was not completed due to lack of staffing and lack of funds. Updating Appendix E will resume in the new permit, beginning with the inclusion of the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual).

The Village will assist DuPage County with the adoption of the BMP Manual, adopt an updated Storm Water Ordinance that incorporates the BMP Manual, continue to adopt the Storm Water Ordinance as new revisions are made and train staff on the new requirements of the Storm Water Ordinance and the technical guidance in the BMP Manual.

Year 1 Milestones

If needed amend the Village Storm Water Ordinance.

Summary of Accomplishments

Engineering staff regularly attended and provided input at Municipal Engineers Group meetings where updates to the DuPage County Storm Water Ordinance occur. The following are a list of topics discussed:

- ◆ DuPage County Wetland Map Update
- ◆ Municipal Engineers Group (MEG)
- ◆ New EPA Rule
- ◆ Development Securities for Government entities
- ◆ Preliminary FIRM status email
- ◆ Discussion on BMP success/implementation and timeline for updating Technical guidance manual
- ◆ Permit Irregularities/Special Conditions – Engineering/Wetlands
- ◆ Water Quality Collector Application
- ◆ NPDES Annual Report

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- ◆ Preliminary FIRM status
- ◆ Continued discussion on BMP success/implementation and timeline for updating Technical guidance manual
- ◆ Permit Irregularities/Special Conditions – Engineering/Wetlands
- ◆ Proposed Waters of the US Rule
- ◆ Stormwater Management Public Outreach
- ◆ Stormwater Solutions for Water Quality
- ◆ Utility Projects with Multiple Permitting Jurisdictions
- ◆ Watershed Permitting Update

The following training sessions were attended:

- ◆ Clean Construction Demolition Debris
- ◆ West Branch DuPage River Watershed Lunch & Learn
- ◆ MS4 Watch and Learn
- ◆ RainReady Workshop
- ◆ Municipal Engineer’s Discussion Group
- ◆ Private Property 1/1 Reduction – Policy, Funding, Public

D.2: Erosion & Sediment Control BMPs

Goals

The DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) provides guidance on the design and implementation of development practices that prevent storm water quality degradation and enhance the overall quality of storm water. The BMP manual promotes and gives guidelines on the installation of vegetated filter strips, vegetated swales, infiltration systems, permeable pavers, manufactured structures, and storm water detention BMPs such as dry detention basins, wet detention basins, constructed wetland detention basins and underground detention basins. These BMPs can be utilized for construction site run-off control. In addition the Storm Water Ordinance has specific requirements in the sediment and erosion control section which must be met before a storm water permit will be issued for the proposed work.

The Village will attend training sessions on how to regulate the BMP Manual and train staff on new regulations as they become effective.

Year 1 Milestones

None – Providing summary of accomplishments for information purposes only.

Summary of Accomplishments

The following training sessions were attended:

- ◆ MSA Compliance Audit Seminar
- ◆ DuPage River Watershed Workshop
- ◆ New NPDES Permit Special Conditions
- ◆ DuPage River Salt Creek Workgroup

This week Engineering attended a meeting where DuPage County introduced how they will update various watershed plans in the West Branch of the DuPage River with water quality objectives. Once completed this will make the County and municipalities eligible for grant funding. We have several stream bank restoration projects that are contingent upon this funding.

D.4: Site Plan & Review Procedures

Goals

The Storm Water Ordinance requires a storm water permit for all developments of 5,000 square feet or greater or developments in or effecting special management areas (SMAs): wetlands and wetland buffer areas, floodplains, floodways or riparian areas. This is to ensure that there are no adverse impacts as a result of the development. Carol Stream -administers all provisions of the Storm Water Ordinance which must be met before a storm water permit will be issued for a development. DuPage County has developed and maintained a successful regulatory permitting program and will continue to implement and update the program as necessary. Monthly meetings with a group of Countywide Storm Water Administrators (Municipal Engineers Advisory Group) to discuss ordinance related issues ensures the Storm Water Ordinance is implemented consistently, fairly and effectively throughout the County. The Municipal Engineers group will continue to meet during the next permit period.

The Village will continue reviewing storm water permit applications in conformance with the Storm Water Ordinance. Aid DuPage County with the adoption of the BMP Manual, adopt new Storm Water Ordinances as they are updated and offer training opportunities to staff.

Year 1 Milestones

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

Summary of Accomplishments

Engineering staff regularly attended and provided input at Municipal Engineers Group meetings where updates to the DuPage County Storm Water Ordinance occur. The following are a list of topics discussed:

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- ◆ DuPage County Wetland Map Update
- ◆ Municipal Engineers Group
- ◆ Sample Draft Standard Details and Notes

The following training sessions were attended:

- ◆ Municipal Engineers Group (MEG)
- ◆ MS4 Compliance Audit Seminar
- ◆ DuPage River Watershed Workshop
- ◆ New NPDES Permit Special Conditions
- ◆ DuPage River Salt Creek Workgroup

In addition, in Fall 2015 Public Works established a pilot program in coordination with The Conservation Foundation to convert several Village properties from turf grass to native pollinator meadows. Four residential properties that were prone to flooding and bought out by the County/Village and one stretch of local road parkway (Kuhn Road) adjacent to a bike path and a detention basin were selected for planting.

Issued 13 storm water management certifications.

D.5: Public Information Handling Procedures

Goals

Carol Stream offers numerous opportunities for the public to review and comment on storm water issues related to a development. Staff is available to answer questions or concerns and frequently arranges meetings to discuss issues. Different public meetings give the public the opportunity to hear testimony, view plans, raise concerns and make comments. Those meetings include: Plan Commission and Zoning Board of Appeals meetings, Village Board meetings, committee meetings or our Listening Post. For those instances where staff cannot answer their questions they can utilize the Freedom of Information Act process.

Carol Stream has a Citizen Service Request (CSR) process where individual can file complaints or seek staff assistance on drainage and other storm water issues. As CSRs are received they are assigned to an employee, investigated and responded to the citizen. Sometimes enforcement action is necessary. The Village also has a database to track the status of the CSR. The Village will continue handling all complaints and requests through the Village's CSR process, hold public meetings where they can view plans and comment on storm water issues and offer meetings where development or the public can comment on storm water concerns.

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Year 1 Milestones

Process CSRs involving storm water complaints.

Summary of Accomplishments

Engineering staff regularly attended and provided input at Municipal Engineers Group meetings where updates to the DuPage County Storm Water Ordinance occur. The following are a list of topics discussed:

- ◆ Municipal Engineers Group (MEG)
- ◆ DuPage County Wetland Map Update
- ◆ NPDES Annual Report
- ◆ Proposed Waters of the US Rule
- ◆ Stormwater Management Public Outreach
- ◆ Utility Projects with Multiple Permitting Jurisdictions
- ◆ Watershed Permitting Update

The Village accomplished many tasks at Village Board meetings to satisfy our permit obligations for this BMP. The Village Board took action on 18 special use requests/PUDs/corridor submittals, 1 ordinance revisions, 1 annexation agreements, 7 variations, 4 plat of subdivision, 1 grant of stormwater easements, 2 IGA resolutions and on these other following items:

- ◆ Acceptance Cool DuPage Initiative and Goals
- ◆ Authorizing Comments to Illinois State Water Survey
- ◆ Authorizing Participation 2016 ComEd Green Region Program
- ◆ Declaring Support of the “Wyland Mayor’s Challenge for Water Conservation
- ◆ Endorsing Greenest Region Compact 2

Received, investigated and resolved twelve (12) drainage and storm water issues through the Village CSR system. Eight (8) of the CSR’s were resolved by Public Works, two (2) were addressed by the Engineering Department and another two (2) were determined to be the responsibility of the private property owner.

Village Board Workshop – Contract for operation of the WRC and proposed operating permit requirements for the WRC that address phosphorous.

Draft recommendations memo for the Comprehensive Plan project has been sent to the Steering Committee for review.

A public hearing was held for an amendment to the Pre-Annexation Agreement for the property located a 27W371 North Avenue, and the property located at the northeast corner of St. Charles Road and Morton Road.

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Public Works crews inspected and cleaned critical storm structures.

Village Staff met or corresponded with several prospective developers including: Aldi Expansion, Affordable Office Interiors, A.J. Antunes – building addition, American Flange, AT&T Mobile Communications Property, Buchanan Energy, Caputo’s Outlot Development, Carol Stream Park District – (Simkus Recreation Center & Community Park), Carol Stream Park District – Memorial Park, Carol Stream Park District – Simkus Center Parking Lot Resurfacing Project, Carol Stream Armstrong Park Baseball Field No. 1 (North end), Carol Stream Park District Kids World Tot Lot, Charter Fitness, Christian Brothers Automotive Repair Facility, College of DuPage Regional Center, DuPage County Gary Avenue Multi-Use Path Project, Frain Industries, Flying J/Pilot Marketplace, Gary/Lies – Northeast/Southeast Corners for Development, 190 S. Gary, Gas Station at Fair Oaks/Army Trail Notice of Violation, Geneva Crossing Phase II, Glendbard North’ Green Organics – Landscape Waste Transfer Facility, Habitat for Humanity, Home Depot, DCT/CoreCentric (Invensys Property), Jet-Brite Car Wash, John & Tony’s Preannexation Agreement Expiration, 700-710 Kimberly, Kimberly Redevelopment – Auto Auction, Manhattan Club, Lexington Homes, Mercedes Benz, Meyer Material, Mobile Station, Morton & North Avenue Vacant Property, NAI Hiffman, O’Reilly Auto Parts, Outreach Community Center, Owens and Minor Distribution Inc., Ozinga Brothers, North Avenue (Travel Center), Packaging Personified, Papa Rays, Pilot Travel Plaza, Pizzeria Da Nella, Prinova – Sanitary Sewer Discharge, Prince Castle, Red Hawk Park Annexation, Red Rooster Shopping Plaza, Rockin’ Jump, Royal Die & Stamping, 423 St. Paul Blvd., Scrap Metal Recycling, SE Corner Gary & Lies, School District 93, Sherwin Williams, Southeast Corner Fair Oaks/Army Trail Road Shopping Center, S&S International, Spectators, St. Charles Rd. Townhome Project, Trucking Company, University of Illinois Agricultural Extension Service - Turf Expert, Vale & County Farm Townhomes, Wheaton Christian Center, Wayfair, and Wayne Township.

Two existing industrial businesses have contacted Community Development seeking information about available vacant land or building space for expansions.

Village Staff attended and participated in these following other meetings:

- ◆ Engineering attended the open house preliminary flood plain maps. Municipalities attending the open house were informed on the process for making corrections to the maps.
- ◆ DuPage County Armstrong Park Flood Control Reservoir, Pump Station and Siphon Project status meetings
- ◆ Comprehensive Plan Project Steering Committee meetings
- ◆ Planning for 2020-Assessing the Needs of Businesses in Carol Stream’s Industrial Park meeting
- ◆ Meetings for The Conservation Foundation’s (TCF) Conservation in our Community Program
- ◆ Meeting for 14-unit-1.7 acre townhome development on unincorporated property on the north side of St. Charles just east of President
- ◆ DuPage County Stormwater staff presentation on their Program Assessment for Stormwater Management
- ◆ April 15th Economic Event
- ◆ Staff met to discuss enforcement options for the proper maintenance of the storm water facility on the northeast corner of Kehoe/Kimberly.
- ◆ Executive Development Committee (EDC) met and reviewed plans for development of the northeast and southeast corners of Gary/Lies.

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- ◆ May 7th The Conservation Foundation (TCF) hosted an Inflow & Infiltration (I/I) Reduction Workshop at the Fountain View Recreation Center at 7:00 PM. The workshop is one element in our partnership in our Community Program. The workshop will deal with illegal connections, poor drainage, applicable regulations and effective solutions. By design, Village staff will not attend the workshop to create a non-threatening environment that will foster voluntary compliance.

The Department of Engineering Services performed soil erosion and sediment control inspections in accordance with our approved storm water pollution prevention plans (SWPPs) on all our projects. In addition the Village inspected 6 other private development sites for compliance with the DuPage County Stormwater Ordinance and documented the inspections in our Construction Site Runoff Control Inspection Report Database.

D.6: Site Inspection/Enforcement Procedures

Goals

Staff periodically conducts site inspections to ensure the project has complied with the requirements of the storm water permit. The contractor must maintain the proper sediment and erosion control throughout the construction period. If sediment and erosion control measures are not being maintained Carol Stream will notify the contractor/developer of the infraction and issue a date when they must come into compliance. If the infraction is not resolved within the specified time period a warning will be issued. If the violation is not corrected within 24 hours a Stop Work Order will be issued and a fine can be levied. At that time all work must stop until the issue has been satisfactorily resolved and the Village has lifted the Stop Work Order.

The Village will continue performing site inspections on all developments that have been issued a storm water permit for soil and erosion control and offer staff training opportunities on-site inspections of storm water management facilities.

Year 1 Milestones

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 following training sessions were attended:

- ◆ MS4 Compliance Audit Seminar
- ◆ New NPDES Permit Special Conditions

Staff continued its efforts to enforce a private property owner to maintain a storm water retention facility at the northeast corner of Kimberly and Kehoe. Despite Village efforts the property owner has failed to respond. In Fall 2015 Public Works operations staff began a process of pumping

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down the retention basin in order to gain access to a pipe that appeared clogged. After aggressive flushing efforts, replacement of some broken pipe and reconstruction of a storm structure performance of the facility has significantly improved and no overtopping of the basin has occurred as it had in the past.

On Wednesday and Thursday, complaints were received from Holiday Inn and Joe Cotton Ford about dust generated from demolition activities at the Pilot site. Staff has made water available for dust control.

Public Works continues to work on drainage issues at the pond at Kehoe/Kimberly. Repairs to the separated concrete pipe required replacement. A grate and frame will be added.

Issued 13 storm water management certifications.

Land Movement Permit issued to Pilot.

POST CONSTRUCTION RUNOFF CONTROL

E.2: Regulatory Control Program

Goals

Post construction runoff is limited through the Stormwater Ordinance which requires all developments over 25,000 square feet of development area to detain storm water and runoff with a restricted release rate. The Stormwater Ordinance requires that all storm water management facilities be designed with BMPs. The Village has set a policy that BMPs for storm water storage facilities are designed and constructed with wetland shelves and native prairie buffer plantings.

The Storm Water Ordinance also addresses site redevelopment through a program called SERZ. SERZ is "storm water economic redevelopment zone". The purpose of SERZ is to assist highly impervious sites when redevelopment is proposed, where providing the full amount of detention is not practicable and the Detention Variance Fees discourage redevelopment. Also, SERZ is a standard used when applying for a variance under Section 15-114, effectively leveling the playing field by providing a minimum standard for approving variances for these developments, where there were no minimum standards under the previous ordinance.

The Village will aid DuPage County with the adoption of the BMP Manual, adopt new Storm Water Ordinances as they are updated and offer training opportunities to staff.

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Year 1 Milestones

If needed amend the Village Storm Water Ordinance.

Summary of Accomplishments

The DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) was previously adopted into Appendix E of the DuPage County Stormwater Management Plan in 2008. No revisions have been made to the DuPage County Water Quality Best Management Practices Technical Manual since then.

Engineering staff regularly attended and provided input at Municipal Engineers Group meetings where updates to the DuPage County Storm Water Ordinance occur. Stormwater Ordinance topics included:

- ◆ New EPA Rule
- ◆ Fee in lieu of Best Management Practices Program.
- ◆ Development securities for Government entities
- ◆ Water Quality Collector Application
- ◆ Continued discussion on PCBMPs
- ◆ Amended County Flow Charts
- ◆ GIS app for SMA permitting under BETA testing. Mandatory training will be required
- ◆ Municipal Engineers Group (MEG)
- ◆ Coordination to Develop Additional PCBMP Scenarios
- ◆ PCBMP Importance Values
- ◆ Proposed Waters of the US Rule
- ◆ Site Specific Flood Plain for Depressional Areas
- ◆ Utility Projects with Multiple Permitting Jurisdictions

The following training sessions were attended:

- ◆ DuPage County Wetland Map Update
- ◆ Sample Draft Standard Details and Notes
- ◆ Coordination to Develop Additional PCBMP Scenarios
- ◆ MS4 Compliance Audit Seminar
- ◆ DuPage River Watershed Workgroup
- ◆ New NPDES Permit Special Conditions
- ◆ DuPage River Salt Creek Workgroup

E.3: Long Term O&M Procedures

Goals

The BMP Manual provides guidance on the design and implementation of development practices that prevent storm water quality degradation and enhance the overall quality of storm water. The methods outlined in the manual will be required to be in an easement that will be monitored over a three-year period to ensure the easement is maintained.

Currently, the Stormwater Ordinance requires all major and minor storm water facilities be put into an easement that has a three to five year maintenance and monitoring period. The revision and update to the Stormwater Ordinance will require all BMPs be put into an easement. All permanent BMPs on a proposed plan will have to include maintenance and monitoring plan for the BMPs. The Village will continue to accept storm water management and conveyance easements and wetland conservation easements.

Year 1 Milestones

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

The DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) was previously adopted into Appendix E of the DuPage County Stormwater Management Plan in 2008. No revisions have been made to the BMP Manual since then.

Public Works met with Glenbard North teacher and Green Panther Club sponsor to discuss opportunities to involve the club and AP students in the pollinator meadow mix project. Several ideas were identified and planning has begun for collaborative efforts starting in Fall 2016. The Conservation Foundation will also be invited to participate.

Actively participated in the Winfield Creek Stakeholders Group for the County's Watershed Flood Control Study and Plan. Continuing with integration of our Southeast Stormwater Study into their study.

Engineering staff regularly attended and provided input at Municipal Engineers Group meetings where updates to the DuPage County Storm Water Ordinance occur.

The Village Board approved 4 plats of subdivision and accepted 1 grant of stormwater management and conveyance easements.

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The Conservation Foundation has recently partnered with the Village to encourage businesses and residents to establish natural landscaping that is native and environmentally friendly with reduced maintenance costs. Public Works will meet with a Land Preservation Specialist.

The following training sessions were attended:

- ◆ DuPage County Wetland Map Update
- ◆ Sample Draft Standard Details Notes
- ◆ Submersible pump removal, cleaning, maintenance and installation
- ◆ Underground Storage Tank A/B Operator Training
- ◆ Salt spreader control operations
- ◆ MapOffice GIS Training
- ◆ Brine-making equipment operation and maintenance
- ◆ Salt Calibration Training
- ◆ Pump Maintenance – Infrastructure Improvements
- ◆ Generator Maintenance
- ◆ Pumps and pump maintenance
- ◆

E.4: Pre-construction Review of BMP Designs

Goals

The Storm Water Ordinance was revised in February 2006 to reflect changes to the sediment and erosion control provisions. The Stormwater Ordinance also requires that all storm water management facilities be designed with BMPs. Carol Stream has established a policy that BMPs for storm water storage facilities are designed and constructed with wetland shelves and native prairie buffer plantings where practical. Staff reviews the BMP designs during the permit process to ensure conformance with these requirements and policies.

The DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) provides guidance on the design and implementation of development practices that prevent storm water quality degradation and enhance the overall quality of storm water. The BMP manual promotes and gives guidelines on the installation of vegetated filter strips, vegetated swales, infiltration systems, permeable pavers, manufactured structures, and storm water detention BMPs such as dry detention basins, wet detention basins, constructed wetland detention basins and underground detention basins.

The Village will aid DuPage County with the adoption of the BMP Manual, perform plan reviews in conformance with the new BMP Manual requirements, adopt new Storm Water Ordinances as they are updated and offer training opportunities to staff.

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Year 1 Milestones

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

Summary of Accomplishments

The DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) was previously adopted into Appendix E of the DuPage County Stormwater Management Plan in 2008. No revisions have been made to the BMP Manual since then.

Awarded a consultant engineering contract to Christopher B Burke Engineering Ltd for review of storm water management permit submittals with pre and post construction BMPs as well as inspections. Through the use of the engineering consultant, all storm water permit submittals were reviewed. A total of 13 permits were issued.

Engineering staff regularly attended and provided input at Municipal Engineers Group meetings where updates to the DuPage County Storm Water Ordinance occur.

At the Municipal Engineers Group meetings provided public comment and technical support on several storm water management issues including:

- ◆ Sample Draft Standard Details and Notes
- ◆ Coordination to Develop Additional PCBMP Scenarios
- ◆ Discussion: Permit Irregularities/Special Conditions – Engineering/Wetlands
- ◆ Pre-cast Stormwater Solutions – The Next Generation in Permeable Pavement
- ◆ Continued discussion on PCBMPs
- ◆ GIS app for SMA permitting, under BETA testing. Mandatory training will be required.
- ◆ Coordination to Develop Additional PCBMP Scenarios
- ◆ PCBMP Scenario Examples
- ◆ PCBMP Draft Flow Chart
- ◆ Sample Draft Standard Details and Notes
- ◆ Coordination to Develop Additional PCBMP Scenarios
- ◆ PCBMP Importance Values
- ◆ Draft Drywell Detail
- ◆ Draft DuPage County Standard Notes Drywell Detail
- ◆ PCBMP Scenario Examples
- ◆ Stormwater Management Public Outreach – Detention Basin Workshop
- ◆ Stormwater Solutions for Water Quality
- ◆ Utility Projects with Multiple Permitting Jurisdictions

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The Village accomplished many tasks at Village Board meetings to satisfy our permit obligations for this BMP. The Village Board took action on 18 special use requests/PUDs/corridor submittals, 1 ordinance revisions, 1 annexation agreements, 7 variations, 4 plat of subdivision, 1 grant of stormwater easements, 2 IGA resolutions and on these other following items:

- ◆ Acceptance Cool DuPage Initiative and Goals
- ◆ Authorizing Comments to Illinois State Water Survey
- ◆ Authorizing Participation 2016 ComEd Green Region Program
- ◆ Declaring Support of the “Wyland Mayor’s Challenge for Water Conservation
- ◆ Endorsing Greenest Region Compact 2

Award of Contract with Applied Ecological Services for Landscape Services – The project entails the installation and maintenance of a pollinator mix in the Kuhn Road Parkway.

Sent a Notice of Violation to the owner of record, an out-of-state real estate firm, of the retention pond property at the northeast corner of Kehoe Boulevard and Kimberly Drive for not properly maintaining a retention basin. Community Development, Engineering and Public Works met with a maintenance contractor retained by the out of state owner of the retention basin on the northeast corner of Kehoe/Kimberly to address concerns with the functionality and appearance of the basin.

Village Staff met or corresponded with several prospective developers including: Aldi Expansion, Affordable Office Interiors, A.J. Antunes – building addition, American Flange, AT&T Mobile Communications Property, Buchanan Energy, Caputo’s Outlot Development, Carol Stream Park District – (Simkus Recreation Center & Community Park), Carol Stream Park District – Memorial Park, Carol Stream Park District – Simkus Center Parking Lot Resurfacing Project, Carol Stream Armstrong Park Baseball Field No. 1 (North end), Carol Stream Park District Kids World Tot Lot, Charter Fitness, Christian Brothers Automotive Repair Facility, College of DuPage Regional Center, DuPage County Gary Avenue Multi-Use Path Project, Frain Industries, Flying J/Pilot Marketplace, Gary/Lies – Northeast/Southeast Corners for Development, 190 S. Gary, Gas Station at Fair Oaks/Army Trail Notice of Violation, Geneva Crossing Phase II, Glendbard North’ Green Organics – Landscape Waste Transfer Facility, Habitat for Humanity, Home Depot, DCT/CoreCentric (Invensys Property), Jet-Brite Car Wash, John & Tony’s Preammexation Agreement Expiration, 700-710 Kimberly, Kimberly Redevelopment – Auto Auction, Manhattan Club, Lexington Homes, Mercedes Benz, Meyer Material, Mobile Station, Morton & North Avenue Vacant Property, NAI Hiffman, O’Reilly Auto Parts, Outreach Community Center, Owens and Minor Distribution Inc., Ozinga Brothers, North Avenue (Travel Center), Packaging Personified, Papa Rays, Pilot Travel Plaza, Pizzeria Da Nella, Prinova – Sanitary Sewer Discharge, Prince Castle, Red Hawk Park Annexation, Red Rooster Shopping Plaza, Rockin’ Jump, Royal Die & Stamping, 423 St. Paul Blvd., Scrap Metal Recycling, SE Corner Gary & Lies, School District 93, Sherwin Williams, Southeast Corner Fair Oaks/Army Trail Road Shopping Center, S&S International, Spectators, St. Charles Rd. Townhome Project, Trucking Company, University of Illinois Agricultural Extension Service - Turf Expert, Vale & County Farm Townhomes, Wheaton Christian Center, Wayfair, and Wayne Township.

Two existing industrial businesses have contacted Community Development seeking information about available vacant land or building space for expansions.

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Village Staff attended and participated in these following other meetings:

- ◆ DuPage County Wetland Map Update
- ◆ DuPage County Armstrong Park Flood Control Reservoir, Pump Station and Siphon Project status meetings
- ◆ Met with resident at 619 Arrowhead Trail to address construction of earthen dam that is part of the Klein Creek Flood Mitigation Project in Armstrong Park.
- ◆ Staff met to discuss a residents request to construct a driveway with an ecogrid paving product.
- ◆ Comprehensive Plan Project Steering Committee meetings
- ◆ Planning for 2020-Assessing the Needs of Businesses in Carol Stream’s Industrial Park meeting
- ◆ Meetings for The Conservation Foundation’s (TCF) Conservation in our Community Program
- ◆ Meeting for 14-unit-1.7 acre townhome development on unincorporated property on the north side of St. Charles just east of President
- ◆ DuPage County Stormwater staff presentation on their Program Assessment for Stormwater Management
- ◆ April 15th Economic Event
- ◆ Staff met to discuss enforcement options for the proper maintenance of the storm water facility on the northeast corner of Kehoe/Kimberly.
- ◆ Executive Development Committee (EDC) met and reviewed plans for development of the northeast and southeast corners of Gary/Lies.
- ◆ May 7th, 2015 The Conservation Foundation (TCF) hosted an Inflow & Infiltration (I/I) Reduction Workshop at the Fountain View Recreation Center at 7:00 PM. The workshop is one element in our partnership in TCF’s Conservation in our Community Program. The workshop will deal with illegal connections, poor drainage, applicable regulations and effective solutions. By design, Village staff will not attend the workshop to create a non-threatening environment that will foster voluntary compliance.

An obstructed storm sewer at the Kimberly/Kehoe retention basin was jetted and cleaned out and repaired storm sewer pipe.

Public Works crews inspected and cleaned critical storm structures.

Our wetland and pond shoreline contractor obtained four bags of free prairie seed mix from Fermi lab. The seed was placed at several native prairie buffer locations in the Village.

The following training sessions were attended:

- ◆ MS4 Compliance Audit Seminar
- ◆ Urban Wildlife Workshop
- ◆ DuPage River Watershed Workgroup
- ◆ New NPDES Permit Special Conditions
- ◆ DuPage River Salt Creek Workgroup
- ◆ Stormwater Management Public Outreach
- ◆ PCBMP Scenario Examples

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- ◆ PCBMP Flowchart
- ◆ PCBMP Sample Standard Details and Notes
- ◆ Pond Shoreline, Stream Bank and Wetland Restoration Maintenance Program

Issued 13 storm water management certifications.

E.5: Site Inspections During Construction

Goals

Carol Stream inspectors continually inspect sites under construction to ensure sediment and erosion control is maintained throughout the site. Any sediment discharge leaving the site is immediately addressed by staff and may result in a Stop Work Order. The Village will aid DuPage County with the adoption of the BMP Manual, adopt new Storm Water Ordinances as they are updated, continue performing site inspections on all developments that have been issued a storm water permit for soil and erosion control and post construction BMPs and offer staff training opportunities on site inspections of BMPs.

Year 1 Milestones

None – Providing summary of accomplishments for information purposes only.

Summary of Accomplishments

The DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) was previously adopted into Appendix E of the DuPage County Stormwater Management Plan in 2008. No revisions have been made to the BMP Manual since then.

Site inspections were performed where 13 storm water management certifications were issued.

The following training sessions were attended:

- ◆ MS4 Compliance Audit Seminar
- ◆ DuPage River Watershed Workgroup
- ◆ New NPDES Permit Special Conditions
- ◆ DuPage River Salt Creek Workgroup

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E.6: Post Construction Inspections

Goals

Post Construction sites are required to submit as-built drawings and calculations documenting the project constructed in conformance with all the requirements of the original permit. The as-built certification must be signed off before the corresponding storm water management security is released. Engineering Staff and SMA consultants are utilized to ensure the site meets full compliance through inspections and as-built reviews. SMA consultants will also continue inspections to ensure native planting areas and wetland mitigation areas are maintained for up to five years beyond the time of construction completion.

Update the Storm Water Ordinance to include the BMP Manual. The BMP manual will require all BMPs to be put into a Natural Area Easement that will be monitored for three years after construction is completed. The Village will aid DuPage County with the adoption of the BMP Manual, adopt new Storm Water Ordinances as they are updated, continue performing “punch list” inspections for final acceptance of all sites requiring soil and erosion control measures post construction BMPs, continue reviewing as-built drawings and calculations for permit compliance and offer staff training opportunities on-site inspections of BMPs.

Year 1 Milestones

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

Summary of Accomplishments

Staff continued its efforts to enforce a private property owner to maintain a storm water retention facility at the northeast corner of Kimberly and Kehoe. Despite Village efforts the property owner has failed to respond. In Fall 2015 Public Works operations staff began a process of pumping down the retention basin in order to gain access to a pipe that appeared clogged. After aggressive flushing efforts, replacement of some broken pipe and reconstruction of a storm structure performance of the facility has significantly improved and no overtopping of the basin has occurred as it had in the past.

Removed beaver dams from the following location, re-establishing flow and water levels and protecting stream shorelines:

- Culverts on Birchbark (multiple occasions); one beaver was relocated from that location by a contractor.
- Klein Creek at Kuhn Road (multiple occasions), several beavers were relocated from that location by a contractor.
- In January 2016 a culvert under North Avenue just west of Kuhn Road was discovered to be collecting vegetative debris on the upstream side. The conditions were reported to IDOT (the agency responsible for maintenance of this structure). However, due to the steep grade

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and saturated conditions at the site they were not able to respond until late March, at which time they successfully removed all of the debris.

In November 2015 a small sink-hole was reported in the pavement at the NE corner of Gary Avenue and Lies Road. Public Works inspected the site and determined that it was likely as a result of failure of grouting around a triple-culvert that ran from north to south. In consultation with Engineering staff a plan was adopted to hire an underground contractor to perform more detailed inspection (including on the downstream end of the triple-pipe culvert) and to complete repairs to the underground failures immediately. Once completed a temporary pavement patch was completed.

The following training sessions were attended: The Department staff attended the following training:

- ◆ Submersible pump removal, cleaning, maintenance and installation
- ◆ Underground Storage Tank A/B Operator Training
- ◆ MS4 Compliance Audit Seminar
- ◆ Urban Wildlife Workshop
- ◆ DuPage River Watershed Workshop
- ◆ Pesticide application in rights-of-way
- ◆ Brine-making process
- ◆ Salt spreader control operations
- ◆ Clear Roads De-icing Forum
- ◆ New NPDES Permit Special Conditions
- ◆ MapOffice GIS Training
- ◆ Snow & Ice Leadership Conference
- ◆ Departmental Snow Plan Training/Review
- ◆ Brine-making equipment operation and maintenance
- ◆ Parking lot and sidewalks de-icing workshop
- ◆ Salt Calibration Training
- ◆ DuPage River Salt Creek Workgroup
- ◆ Pump Maintenance – Infrastructure Improvements
- ◆ Applying Long-term thinking to Winter Maintenance
- ◆ Snow plow driver training; Medium and Heavy-duty
- ◆ Generator Maintenance
- ◆ Pumps and pump maintenance

Village Staff regularly attends the DRSCW meetings to discuss and address TMDL issues. Staff participates with other Municipal Engineers, Public Works Directors, POTWs, IEPA and various environmental groups. The DRSCW accomplished the following:

- ◆ Stream Rehabilitation Projects:

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- Fawell Dam Preliminary Assessment
- Fawell Dam Fish Passage Project Update
- Oak Meadows Project Update
- ◆ Monitoring Committee:
 - 2014 East Branch DuPage River Assessment Update
 - 2012 West Branch Basin Assessment
- ◆ PAHs & Coal Tar Sealants (CTS) – Update on state ban legislation
- ◆ USEPA – DRSCW Workgroup met with IEPA to present permit with special conditions to USEPA for their review and approval. Regarding POTW’s to meet phosphorous limits – in exchange POTS’s would commit to funding certain projects aimed at meeting the goals of the Clean Water Act.
- ◆ IGIG Funding Update
- ◆ Presentations:
 - Sierra Club – Coal Tar Sealants
 - Lake County Stormwater Management – Watershed Management & Organization
 - APWA – Water Quality
- ◆ Watershed Committee
 - East Branch DuPage River Resiliency & Watershed Plan (DuPage County SWM)
 - Lower Salt Creek Watershed Plan Update
 - West Branch, East Branch and Salt Creek Updates
 - Watershed Permitting Update
- ◆ Flood Plain Mapping
- ◆ TMDL Development for the DuPage River/Salt Creek
- ◆ Prepared Resource Managers Guide to Bioassessment

Responded to storm water issues at several private storm facility locations:

- ◆ At 333 Kehoe Boulevard there is a privately owned storm water detention basin wherein the outfall pipe continues to plug due to beaver activity. On numerous occasions Public Works Department cleared woody debris build-up from around the over-flow structure. The storm outfall was slushed and rodded on multiple occasions to break-up the blockage and restore flow. Additionally, at time of high water level and predicted heavy rain falls, the Public Works Department set-up a bypass pumping operation to alleviate the possibility of localized flooding associated with the ponds dysfunction. The Village will continue to attempt to contact the property owner to maintain the basin.
- ◆ Continue to work with property owner on drainage issues on west side of Fair Oaks.

Removed beaver dams from the following locations, re-establishing flow and water levels and protecting stream shorelines:

- ◆ Culverts on Birchbark (on six occasions)

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- ◆ Klein Creek at Kuhn Road (three occasions)

Public Works crews inspected and cleaned critical storm structures.

DuPage County Stormwater staff has advised that they have submitted the required annual monitoring report to the US Army Corps of Engineers documenting that sites in the Armstrong Park flood control project meet or exceed all vegetative standards for the first year. This is beneficial because the intergovernmental agreement for the project required the Village to obtain this permit.

Pond and Stream Sweep - The Village held its annual Pond & Stream Sweep on Saturday, May 16th, 133 volunteer, 19 groups removed 4,080 lbs. of trash and debris from 20 miles of shorelines along 22 ponds and stream sections. Our Pond & Stream Sweep was held in coordination with The Conservation Foundation and the DuPage County Stormwater Management Division.

Pond shoreline controlled burns, herbaceous and emerging woody cuttings, selective herbiciding and trash removal was performed on 16 native prairie pond shorelines and wetlands. In addition 10 native trees were planted at the Northwest Gary Avenue – Lies Road pond through a Trees Forever grant.

POLLUTION PREVENTION/GOOD HOUSEKEEPING

F.1: Employee Training Program

Goals

The permit requires employee training on good housekeeping and pollution prevention procedures to prevent and reduce pollutant discharges into storm water from maintenance and operation activities of open spaces, buildings, and storm water systems as well as storage yards, snow disposal, new construction and land disturbances. Training topics can be on regular street sweeping, reduction in the use of pesticides or street salt, or catch basin cleaning practices. The MS4 permit holder can use training materials that are available from the EPA, their State or Tribe, or relevant organizations. Carol Stream staff at Public Works has been trained in areas of good housekeeping and pollution prevention through in-house staff training and the attendance at various seminars and classes.

The Municipal Engineers Advisory Group meetings will continue to hold discussions and offer training opportunities related to pollution prevention and good housekeeping practices. The Municipal Engineers Advisory Group will have discussions on the most appropriate methods for training employees at municipal facilities in areas of good housekeeping and pollution prevention procedures to prevent and reduce pollutant discharges into storm water from maintenance and operation activities of open spaces, buildings, construction and land disturbances, waste disposal and storm water systems. Topics discussed at the meetings will be shared with the Department of Public Works and Administration.

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The pollution prevention good housekeeping training workshop was not completed in the previous permit due to staffing issues and time constraints, but will be completed in Year 1 of the new permit. However, the Department of Public Works and Engineering staff received various training on topics such as street sweeping operations, good housekeeping measures, de-icing and anti-icing programs, storm sewer system design, detention basin design, storm water management funding, bridge inspection, storm water management facility design and proprietary BMPs.

The Municipal Engineers Advisory Group will continue to meet to discuss proper training procedures and implementation on good housekeeping and pollution prevention for appropriate supervisory and/or management employees on: building and open space maintenance, vehicle/fleet maintenance, materials storage and disposal, infrastructure inspection and maintenance, construction and land disturbances and waste disposal. The water quality discussions will aim to assist supervisors and/or managers with providing guidance to their employees with the appropriate training/information based on their needs. The pollution prevention discussions will be shared with Public Works and other maintenance staff for collaborative efforts with the on-going pollution prevention training of County staff.

The Village will provide training sessions for Public Works employees on pre-wetting and anti-icing methods to reduce salt usage and train Public Works and Administration maintenance staff on good housekeeping pollution prevention.

Year 1 Milestones

None – Providing summary of accomplishments for information purposes only.

Summary of Accomplishments

Village Staff regularly attended and provided input at Municipal Engineers Group meetings on the following topics:

- ◆ Busse Woods Flood Control Modifications
- ◆ Sandless Sandbags
- ◆ FloodBreak
- ◆ Preliminary FIRM/FIS and FEMA Bulleting 1-98
- ◆ NPDES Phase II Training for Municipal Employees
- ◆ Open discussion on FEMA/ISWS Open House for Commencement of the Public Comment Period for the Preliminary FIRM Maps
- ◆ Infrastructure Rehabilitation
- ◆ Water Quality Collector Application
- ◆ Amended County Flow Charts
- ◆ Municipal Engineers Group (MEG)
- ◆ NPDES Annual Report
- ◆ Proposed Waters of the US Rule
- ◆ River Sweep and Adopt-a-Stream Program thru The Conservation Foundation
- ◆ Stormwater Management Public Outreach – Detention Basin Workshop

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- ◆ Utility Projects with Multiple Permitting Jurisdictions
- ◆ DuPage County Stormwater Management Program

Engineering, Public Works and/or Community Development attended the following training sessions:

- ◆ Conservation at Home Workshop
- ◆ Submersible pump removal, cleaning, maintenance and installation
- ◆ Underground Storage Tank A/B Operator Training
- ◆ MS4 Compliance Audit Seminar
- ◆ Urban Wildlife Workshop
- ◆ DuPage River Watershed Workshop
- ◆ Pesticide application in rights-of-way
- ◆ Brine-making process
- ◆ Salt spreader control operations
- ◆ Clear Roads De-icing Forum
- ◆ New NPDES permit Special Conditions
- ◆ MapOffice GIS Training
- ◆ Snow & Ice Leadership Conference
- ◆ Departmental Snow Plan Training/Review
- ◆ Brine-making equipment operation and maintenance
- ◆ Parking lots and sidewalks de-icing workshop
- ◆ Salt Calibration Training
- ◆ DuPage River Salt Creek Workgroup
- ◆ Pump Maintenance – Infrastructure Improvements
- ◆ Applying Long-term thinking to winter Maintenance
- ◆ Snow plow driver training; Medium and Heavy-duty
- ◆ Generator Maintenance
- ◆ Pumps and pump maintenance

Staff at the Water Reclamation Center (WRC) completed refresher training on the storm sewer system protection plan and standard operating procedures.

The WRC fully complied with its EPA discharge standards.

Public Works met with Glenbard North teacher and Green Panther Club sponsor to discuss opportunities to involve the club and AP students in the pollinator meadow mix project. Several ideas were identified and planning has begun for collaborative efforts starting in Fall 2016. The Conservation Foundation will also be invited to participate.

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Public Works is preparing a comprehensive public education plan on the pollinator meadow mix for use on several public properties within the Village.

Public Works and Engineering met with a company that uses robotic technology for the inspection of large diameter sanitary sewers. Use of this technology reduces costs and provides high definition imaging of the pipe's condition.

Engineering was actively engaged in the DuPage River Salt Creek Workgroup (DRSCW) and Illinois Environmental Protection Agency (IEPA) TMDL meetings serving on the Chloride Reduction and Education Committee and the Projects Committee. These are the technical presentations the DRSCW presented in 2015:

- ◆ The Public Roads deicing workshop
- ◆ The Parking Lot and Sidewalk deicing workshop

F.2: Inspection & Maintenance Program

Goals

The ILR40 NPDES permit requires that an operation and maintenance program be developed and implemented with the goal in mind of preventing or reducing pollutant runoff from municipal operations in the storm sewer system. Public Works has developed an inspection and maintenance program for routine catch basin cleaning and vacuum street sweeping.

The Public Works Department currently inspects and maintains the MS4 systems on an as needed complaint basis, which is tracked through our citizen service request (CSR) database. Public Works has implemented a routine preventive maintenance program for long-term maintenance of catch basins. They also have a street sweeping program. Carol Stream catch basins are cleaned approximately once every ten years. Its roadways are swept approximately nine times per year and the Village owns two vacuum sweepers. Carol Stream maintains approximately one hundred and seven miles of roadway. In addition, Carol Stream has a wastewater treatment plants which treats the Village's sewage and the remnants of sludge from the sewage. The Water Reclamation Center located on Kuhn Road has a capacity of 6.5 MGD (million gallons per day).

Engineering has developed and implemented a Wetland & Pond Shoreline Monitoring & Management Program after performing a \$1.5M Pond & Stream Bank Rehabilitation Project on nine wetlands, ponds and stream banks. Stabilizing these areas reduces soil erosion thereby reducing runoff pollution to the streams and creates a more natural habitat for fish, plants and wildlife. The stabilization methods most commonly used are bioengineering practices such as the installation of A-Jacks, coconut fiber rolls, vegetated geogrids, willow stakes, constructed wetlands and native prairie buffers. This Program monitors the condition of the restored and stabilized pond shorelines, mitigated and constructed wetlands, stream banks and native prairie buffers. An annual maintenance plan is formulated every three years where projects are identified, prioritized and scheduled for appropriate management strategies. These management strategies include prescribed burns, selective cutting, mowing, trash removal, herbicide application, weeding, reseeding and replanting. Maintaining these valuable areas by removing invasive vegetation, trash blockages and other debris will allow the waters from the wetlands,

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ponds and streams to flow less polluted and without obstructions downstream. Stream bank stabilization projects are additionally funded through the Water Quality Improvement Grant Program.

The Village will develop maintenance procedures that incorporate pollution control measures, continue the Catch Basin Cleaning, Inspection and Assessment Program, continue the Street Sweeping Program using vacuum sweepers, continue the Wetland & Pond Shoreline Monitoring & Management Program, continue the Sanitary Sewer Inspection Program using digital televising methods, continue the Sanitary Sewer Manhole Sealing Program and discontinue the use of fertilizers containing phosphates on Village maintained right of ways and utilize organic options when fertilization is required and discontinue the use of asphalt sealers containing PAHs.

Carol Stream has a Citizen Service Request (CSR) process where individual can file complaints or seek staff assistance on drainage and other storm water issues. As CSRs are received they are assigned to an employee, investigated and responded to the citizen. Sometimes enforcement action is necessary. The Village also has a database to track the status of the CSR.

The Village will continue handling all complaints and requests through the Village's CSR process, hold public meetings where they can view plans and comment on storm water issues and offer meetings where development or the public can comment on storm water concerns.

Year 1 Milestones

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

Summary of Accomplishments

The following maintenance operations were performed:

- ◆ Pond Shoreline Maintenance performed at several ponds.
- ◆ Removal of several cubic yards of grit from the bottom of an aeration basin at the WRC.
- ◆ Tree Trimming Services – Award of Contract
- ◆ Tree waste was tub grinded by a contractor.
- ◆ Tree Planting
- ◆ Tree Removal of approximately 80 trees.
- ◆ Inspecting culverts, creeks and other critical storm structures to ensure unimpeded flow.
- ◆ Discussion of WRC Operating and Management Contract
- ◆ IEPA NPDES Wastewater Treatment Plant
- ◆ Streets in the entire community were swept. This is the fourth sweep of the year. Four more remain in 2015.
- ◆ Native planting maintenance contractor applied herbicide to invasive weeds at four locations. One of the locations, Community Park required additional attention because it was not maintained last year.

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- ◆ Herbiciding was completed on the four buyout properties and Kuhn Road. In approximately two weeks the sites will be prepared for meadowmix seeding
- ◆ Public Works established a Snow & Ice Control Plan for the winter season that included the following:
 - No salt on courts and cul-de-sacs (except in cases of ice storms)
 - Salt use only on final plowing pass (except on arterials)
 - Added a third brine-application unit to the fleet which now includes a large unit on a 2.5 ton dump truck, a medium sized unit on a one-ton dump truck and the new small unit on a pick-up truck for use in courts and cul-de-sacs.
- ◆ Engineering worked closely with DuPage County to clear a blocked storm sewer on Gary Avenue that was preventing the detention basin at Joe Cotton Ford and Kinder Care from draining.
- ◆ Trained employees in refined practices to allow for expanded use of anti-icing program to reduce overall use of salt during plowing operations
- ◆ Carol Stream is currently employing both anti-icing and de-icing measures in its annual Snow Removal Plan. Pre-wetting salt and using an anti-icing mixture of salt brine, beet juice extract and calcium chlorides reduces the amount of salt used thereby protecting the land and aquatic plants, animal life, ground water and eventually the surface water. The salt used for de-icing is kept in a salt dome and the areas surrounding the dome are routinely kept clean.
- ◆ Village-wide contracted street sweeping was conducted eight times during the period, covering all Village-owned streets. Spot sweeping and emergency sweeping were conducted with an in-house sweeper.
- ◆ Expended nearly 2,722 man-hours on storm system maintenance.
- ◆ The Village maintains over 8,000 parkway trees that help filter and absorb storm water runoff. During the period the Village removed approximately 210 EAB-infested parkway trees and planted 500.
- ◆ Employed a contractor to trim approximately 1,400 trees in Zone 2 at a cost of around \$40,000.
- ◆ Expended approximately \$230,000 (unaudited) on storm water maintenance and repair (non-capital).
- ◆ Used a combination of in-house and contracted assistance to accomplish the following major initiatives:
 - Over 20 manholes cleaned
 - Approximately 5,000 lineal feet of pipe flushed
 - Approximately 250 lineal feet of pipe televised
 - Cleaned and repaired 12 catch basins
 - Replaced 4 storm sewer grates damaged by snow plows
- ◆ Public Works hosted Addison employees interested in our brine making operation and equipment. Staff also shared our deicing strategies and experience with the employees.
- ◆ Design, Bidding and Construction Oversight Engineering Services Agreement for WRC Pumping Station Improvement Project.
- ◆ The Village maintains over 8,000 parkway trees that help filter and absorb storm water runoff. During the period the Village removed approximately 210 EAB-infested parkway trees and planted 500.
- ◆ Employed a contractor to trim approximately 1,400 trees in Zone 2 at a cost of around \$40,000.
- ◆ Expended nearly 2,722 man-hours on storm system maintenance.
- ◆ Expended approximately \$230,000 (unaudited) on storm water maintenance and repair (non-capital)

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- ◆ Used a combination of in-house and contracted assistance to accomplish the following major initiatives:
 - Over 100 manholes cleaned.
 - Approximately 18,000 lineal feet of pipe flushed.
 - Approximately 800 lineal feet of pipe televised.
 - Completed root-cutting in three locations.
 - Cleaned and repaired thirty-four catch basins.
 - Completed repair (via contract) of eleven (11) catch basin structures on Fair Oaks Road.
 - Replaced twenty-five (25) stolen storm sewer grates.
 - Replaced four (4) storm sewer grates damaged by snow plows.
- ◆ Awarded and completed the 2015 Flex Pavement Project which included storm sewer structure repairs and underdrain work.
- ◆ The Village's engineering consultant worked on sanitary sewer infiltration and inflow (I&I) study. The first phase of the work will focus on an area immediately west of the WRC determined in prior flow testing to be one of the worst areas for I&I.
- ◆ Pond Shoreline & Wetland Maintenance for FY 2015-2016 Award of Contract
- ◆ Pond shoreline controlled burns, herbaceous and emerging woody cuttings, selective herbiciding and trash removal was performed on 16 native prairie pond shorelines and wetlands. In addition 10 native trees were planted at the Northwest Gary Avenue – Lies Road pond through a Trees Forever grant.
- ◆ Operated five (5) aerators providing oxygen to four ponds.

Pond and Stream Sweep - The Village held its annual Pond & Stream Sweep on Saturday, May 16th, 133 volunteer, 19 groups removed 4,080 of trash and debris from 20 miles of shorelines along 22 ponds and stream sections. Our Pond & Stream Sweep was held in coordination with The Conservation Foundation and the DuPage County Stormwater Management Division. In conjunction with this event the DuPage County Sherriff's SWAP performed clean ups on Kuhn Road & Fair Oaks Road collecting 400 pounds of garbage.

Public Works met with a landscape contractor recommended by The Conservation Foundation to inspect and assess area where turf was damaged by chemical spraying.

Community Development is ramping up its program for identification and removal of dead, diseased or infested trees on private property.

AJ Antunnes has requested the Village make emergency repairs to the eroding ditch on the south side of Kehoe. Money was included in this year's Capital Improvement Program for development of a concept plan for the ditch. Engineering will begin preparing a request for proposals for the concept plan. Public Works will monitor the erosion and make temporary repairs as needed.

Engineering & Public Works are developing a project for repairs to roadway inlets, catch basins and curb and gutter. The volume of work is larger than originally anticipated. The work will be prioritized with some work being deferred.

WRC screw pump rehab project is progressing well. Two screw pumps at the WRC that were recently rehabbed are scheduled to be reinstalled.

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Wheaton Sanitary District will televise their sanitary sewers over the summer to determine its condition.

Tree planting.

The Village of Carol Stream was approved for membership into the Geographic Information System (GIS) Consortium. A contract was awarded to Municipal GIS Partners, Inc. (MGP) for GIS Consultant Services in the amount of \$45,580.00. This contract provides for the implementation of GIS applications and projects including the development of our utility maps and geodatabases that will be used with our AOMP. Public works has begun the application process for Tree City USA status.

Village Staff regularly attends the DRSCW meetings to discuss and address TMDL issues. Staff participates with other Municipal Engineers, Public Works Directors, POTWs, IEPA and various environmental groups. The DRSCW accomplished the following:

- ◆ Chloride Reduction Committee (New Business) –
 - Date for the 2015 public roads workshop has been set for 23rd of September
 - Chloride Committee Update

F.3 & 4: Municipal Operations – Storm Water Control & Waste Disposal

Goals

The ILR40 permit requires that procedures be developed for properly disposing of waste removed from the separate storm sewers and areas such as dredge spoil, accumulated sediments, floatables, and other debris. Public Works properly disposes all wastes collected from storm sewers, streets, ponds and streams. In addition, Carol Stream has a streets and vehicle maintenance section that controls the amount of pollutants, which runoff from the construction of roadways, storage yards and deicing practices as well as runoff produced by vehicle washing and repairs. Carol Stream regularly recycles used oil, oil filters, batteries and tires and has the remains of the dead animals found on Village roadways properly disposed.

Carol Stream advertises different yearly hazardous waste collection events held by DuPage County and IEPA to collect items such as cleaning solvents, oil based paints, fertilizers/pesticides, car batteries, automotive fluids, asbestos, and pool chemicals for proper waste disposal. We distribute the County's Recycling Resource Guide, and provide information about other resources and companies that recycle or take hazardous waste.

Year 1 Milestones

Utilize both pre-wetting and anti-icing measures and document quantities. Properly dispose of waste, debris, trash, spoils, etc. and document quantities.

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Summary of Accomplishments

Carol Stream held the following recycling events:

- ◆ Document Shredding Event at Town Center DuPage, conducted by the County
- ◆ Free Document Shredding, Village of Carol Stream
- ◆ Pumpkin recycling event – 3,460 lbs of waste pumpkins were collected for composting.
- ◆ Recycling Holiday Cooking Oil
- ◆ Recycling Event– Village of Carol Stream – Recycle your Pumpkins
- ◆ Recycling Event– Village of Carol Stream – Document Shredding
- ◆ Recycling of Holiday Lights – A total of 3,800 lbs. of holiday lights were collected for recycling that generated 570 lbs. of reclaimed copper.
- ◆ RX Box Disposing Meds Safely – The Village collected 1,886 lbs. of drugs and medical supplies.

The following accomplishments were achieved:

- ◆ Armstrong Park Project
- ◆ Design Bidding and Construction Oversight Engineering Services Agreement for WRC Pumping Station Improvement Project
- ◆ WRC Administration and Blower Building #1 Roof Replacement
- ◆ Gary Avenue Project
- ◆ Purchase of 150 Trees for Fall Parkway Planting Program
- ◆ Proposal for the Purchase & Installation of Salt Spreader Control
- ◆ Resolution Authorizing Village Staff to submit review comments on the preliminary Digital Flood Insurance Rate Map and Flood Insurance Study to the Illinois State Water Survey.
- ◆ 2015 Drainage Improvement Project – Reject all bids
- ◆ Award of Contract with Applied Ecological Services for Landscape Services.
- ◆ The pumpkin recycling event resulted in the collection of 3,460 pounds of pumpkins.
- ◆ The native prairie seed donated by Fermilab was spread at two locations.
- ◆ Herbiciding was completed on the four buyout properties and Kuhn Road. In approximately two weeks the sites will be prepared for meadowmix seeding
- ◆ 186 diseased ash trees were removed and 500 new trees were planted on parkways and on Village facilities.
- ◆ Maintained and supervised the department's spoil management, recording and reporting system at the Public Works Facility to properly handle, test and dispose of spoil and debris.
- ◆ Adopt-A-Highway Program utilized volunteers from five (5) community organizations to perform fifteen (15) cleanups removing trash from 21 miles of roadway.
- ◆ All road salt is stored under roof in salt dome and surrounding area is regularly swept to avoid runoff.
- ◆ Operated five (5) aerators providing oxygen to four ponds
- ◆ Performed nearly 2,722 Public Works man-hours on storm system maintenance

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- ◆ Conducted a refresher meeting regarding snow and ice control for each and every plow operator. Each driver also worked with supervisors to develop a map laying out the most efficient route to be followed
- ◆ Operate over fifty (50) vehicles/equipment that use bio-diesel
- ◆ Recycled the following quantities of waste:
 - 14,783 pounds of various metal products, including: street signs, water meters, fire hydrants, general scrap and surplus/used pipe and other equipment
 - 154 tires
 - 279 retired water meter ARM radio-heads
 - 9 vehicle batteries
- ◆ The Village owns a wastewater treatment facility on Kuhn Road with a plant capacity of 6.5 MGD; treated over 2.0 billion gallons during the reporting period
- ◆ The Village completed replacement of the last two (of six) screw pump rehabilitations at the WRC
- ◆ No SSO's were reported during the year.

Public Works checked all critical storm structures and removed any obstructions, swept flood prone areas and loaded several trucks in anticipation of heavy forecasted rains.

Public Works used 115 tons of salt and 2,205 gallons of brine. Public Works took delivery of 500 tons of salt. Another 730 tons of salt are expected to be received before the end of the fiscal year.

Representatives from the Technology Center of DuPage in Addison visited Public Works this week to observe our brine making process in an effort to learn best practices for brining their sidewalks. Routinely we receive inquiries from other agencies on our best practices for snow response.

PW crews used 18 tons of salt and deployed three brine trucks using 3,010 gallons of brine as a road condition treatment on February 1. On February 3 pavement temperatures dropped to near freezing the three brine units were deployed and applied 3,450 gallons of brine.

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

Goals

The DuPage Countywide Stormwater and Flood Plain Ordinance (Appendix F) was adopted in 1991 and became effective in February of 1992 as part of the DuPage County Storm Water Management Plan that affects all development within the County of DuPage. This is the fundamental regulatory

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program that requires all development within the County of DuPage to not "Unreasonably or unnecessarily degrade surface or ground water quality." Appendix F contains provisions for flood management and assessment guidelines.

The Storm Water Management Plan: Restricts future development in the flood plain to facilities that will not adversely affect flood damage potential or wetland environments. Within the floodway, development will be prohibited unless it involves facilities that enhance flood protection or pollution control; requires preservation of wetlands to maintain their natural flood control and environmental benefits; Incorporates water quality and habitat protection measures in all storm water management activities within DuPage County; and requires regular, planned maintenance of storm water management facilities.

The intent of Appendix F is to reduce current and future flood damages by requiring: no permitting of any development that would negatively impact the hydrology or hydraulics of either the flood plain or the floodway; any proposed structure to be at least one foot above the adjacent Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Base Flood Elevation (BFE); any development or redevelopment to provide for storm water detention depending on size and use as described in Appendix F; and no permitting of any development or redevelopment that will increase flood elevations by compensating at the volume of 1.5 to 1 to offset the loss of existing storage, increase flood velocities, or decrease flood conveyance capacity to upstream or downstream properties.

The Village will continue to adopt any revisions to the DuPage County Countywide Storm Water and Flood Plain Ordinance.

Year 1 Milestones

If needed amend the Village Storm Water Ordinance.

Summary of Accomplishments

The DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) was previously adopted into Appendix E of the DuPage County Stormwater Management Plan in 2008. No revisions have been made to the DuPage County Water Quality Best Management Practices Technical Manual since then.

Village Staff regularly attended and provided input at Municipal Engineers Group meetings on the following topics:

- ◆ Amended County Flow Charts
- ◆ Municipal Engineers Group (MEG)
- ◆ New Certification Application Forms for Stormwater Permitting
- ◆ NPDES Annual Report
- ◆ Oak Meadows Project Update Open Public comment period
- ◆ DuPage County Stormwater Management Program

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The Village of Carol Stream received the APWA 2016 Public Works Project of the Year Award for the Klein Creek Flood Mitigation Project.

The Village is participating in the flood plain map revisions being undertaken by DuPage, FEMA and ISWS.

CNT's Rain Ready – The Village of Carol Stream attended The Conservation Foundation's workshop presentation from the Center for Neighborhood Technology on their RainReady Program for municipalities.

Engineering has provided DuPage County with additional information after receiving another request from them for the Southeast Storm Water Study which is being conducted in conjunction with their Winfield Creek Watershed Study and Flood Control Plan.

Fall tree planting was undertaken in 2015 with the planting of over 40 trees at Armstrong Park as part of our commitment to the stormwater control project. About 110 additional trees are to be planted in various parkways.

A flood prone home on Mohican near Armstrong Park has been approved by IEMA and FEMA for a buyout.

The Village continues to assist DuPage County with the construction of their Armstrong Park Flood Control Reservoir, Pump Station and Siphon Projects.

The following training sessions were attended:

- ◆ IEPA/AWWA Annual Regulatory Update
- ◆ Current Stormwater Regulations & Policies
- ◆ Amended County Flow Charts

Some flood plain management, disaster preparedness and response initiatives taken include:

- ◆ Routinely inspected and cleared debris from critical storm water infrastructure prior to forecast rain events.
- ◆ Removed debris from two major drainage culverts (Old Gary and Lies Road culverts).
- ◆ Removed beaver dams from the following locations, re-establishing flow and water levels and protecting stream shorelines:
 - Culverts on Birchbark (on six occasions)
 - Klein Creek at Kuhn Road (three occasions)
- ◆ Responded to storm water issues at several private storm facility locations:
 - At 333 Kehoe Boulevard there is a privately owned storm water detention basin wherein the outfall pipe continues to plug due to beaver activity. On numerous occasions throughout the summer of 2014 the Publics Works Department cleared woody debris build-up from around the over-flow structure. The storm outfall was slushed and rodded on multiple occasions to break-up the blockage and restore flow. Additionally, at time of high water level and predicted heavy rain falls, the Public Works Department set-up a bypass pumping operation to alleviate the possibility of localized flooding associated with the ponds dysfunction. The Village will continue to attempt to contact the property owner to maintain the basin.

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- Continue to work with property owner on drainage issues on west side of Fair Oaks.

FIRM Updates

Goals

DuPage County, a Cooperating Technical Partner with FEMA, updated the Flood Insurance Rate Maps (FIRM) on a countywide basis. These maps became effective on December 16, 2004 and are known as the DFIRM. The DFIRM maps will continue to be updated as the County completes floodplain mapping for other watersheds in DuPage County using its HSPF/FEQ/PVSTATS methodology. As DuPage County and FEMA corrects, updates and adopts the DFIRM maps Carol Stream will begin utilizing them.

Year 1 Milestones

None – Providing summary of accomplishments for information purposes only.

Summary of Accomplishments

FEMA has not approved or updated the DFIRM maps requiring corrections nor have they made them available to the public. FEMA in cooperation with DuPage County and the Illinois State Water Survey (ISWS) has begun performing modeling studies to update the maps in DuPage County. Although the West Branch and all the tributaries in Carol Stream were not to be studied or the maps updated, they were revised. The Village reviewed the revised maps and provided comments to all three agencies. In addition Village staff is actively involved in the DuPage Mayors and Managers Conference Review Group that has been monitoring, reviewing and commenting on the process.

FEMA revised flood plain maps in 2004 and omitted a previous revision at the WRC. This error has resulted in the flood plain being much larger than it actually should be. Engineering contacted DuPage County about the error and had FEMA correct it.

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See DuPage County's Annual Report and the DuPage River Salt Creek Workgroup's web site for the data that was collected and analyzed, including monitoring data.

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As stated in our NOI the following are activities that the Village of Carol Stream will undertake during year one of the revised third permit cycle:

PUBLIC EDUCATION & OUTREACH

A.1: Distribution of Paper Material

Distribute the Village Newsletter and 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 Village's storm water web page as needed.

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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

Annual assessment of 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

Update the storm sewer system map as needed.

C.2: Regulatory Control Program

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

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C.3: Detection/Elimination Prioritization Plan

Attend scheduled meetings.

C.4: Illicit Discharge Tracing Procedures

Trace potential illicit discharges as needed, per prioritization plan.

C.5: Illicit Source Removal Procedures

Track illicit discharge elimination activities performed by the Village.

C.6: Program Evaluation & Assessment

Perform in association with Annual Report.

C.7: Visual Dry Weather Screening

Perform dry weather screening, per prioritization plan.

CONSTRUCTION SITE RUNOFF CONTROL

D.1: Regulatory Control Program

If needed, amend the Village Storm Water Ordinance.

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D.2: Erosion and Sediment Control BMPs

Attend annual training.

D.3: Other Waste Control Program

Attend annual training.

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 per Village Storm Water Ordinance.

POST CONSTRUCTION RUNOFF CONTROL

E.1: Community Control Strategy

If needed amend the Village Storm Water Ordinance.

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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.5: Site Inspections During Construction

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

E.6: Post Construction Inspections

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

POLLUTION PREVENTION/GOOD HOUSEKEEPING

F.1: Employee Training Program

Provide annual training to staff.

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F.2: Inspection & Maintenance Program

Assess as part of annual SWMP assessment for Annual Report.

F.3: Municipal Operations Storm Water Control

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

F.4: Municipal Operations Waste Disposal

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

F.5: Flood Management/Assess Guidelines

Review/assess proposed flood management projects, as needed.

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The Village of Carol Stream is relying on DuPage County and the DuPage River Salt Creek Workgroup (DRSCW) to satisfy our permit obligations. See DuPage County's Annual Facility Inspection Report and the DRSCW's web site.

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CONSTRUCTION PROJECT LIST

Listed below are the following Village construction projects, some of which required an IEPA Construction ILR10 permit. However, some only required a DuPage County Stormwater management permit but all required soil erosion and sedimentation control measures.

Location	Start Date Est. Comp. Date Description