
Annual Facility Inspection Report – Section B

Year 7 of NPDES Permit No. ILR400308

Village of Carol Stream, 2nd Notice of Intent (Year 1)

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 news letter articles. As new material is developed the additional material that is prepared by other groups and agencies will be distributed.

Year 1 Milestones

Continue with the publication and distribution of available paper materials.

Summary of Accomplishments

Village Staff distributed and made the following informational material available:

- ◆ *West Nile Virus Mosquito* – DuPage County Health Department
- ◆ *Living Along A Shoreline Or Stream Bank – How The Village Maintains These Valuable Areas & What You Can Do To Help* – Village of Carol Stream
- ◆ *Chloride Usage Education and Reduction Program Fact Sheets* – DuPage River Salt Creek Workgroup

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- ◆ *Living with Foxes & Coyotes in DuPage County* – Forest Preserve District of DuPage County
- ◆ *RxBox Disposing Meds Safely* – DuPage County Health Department
- ◆ *Save up to \$175 the first year Appliance Recycling* – ComEd
- ◆ *DuPage County 2004 – 2005 Recycling Guide* – DuPage County
- ◆ *COM2 Computers & Technology* – Purchases used computers and laptops
- ◆ *DuPage County Stormwater Ordinance Update Quarterly Newsletter*

The following Correspondent News articles were prepared and published:

- ◆ *Recycle Unwanted Pharmaceuticals @ the Police Station 24/7 (4 Articles)*
- ◆ *If You Weren't Aware – Now You Are, Health Regulation: Removal of Pet Waste*
- ◆ *Organic Lawn Care Safer for You & Easier on the Planet*
- ◆ *Recycle Used Motor Oil Locally (2 Articles)*
- ◆ *Latex Paint Recycling & Reuse Program*
- ◆ *Community-Wide Appliance Recycling – Sat., June 13th (2 Articles)*
- ◆ *Annual WRC Open House – 245 N. Kuhn Rd.*
- ◆ *Take the Water Conservation Pledge*
- ◆ *New Village E-Newsletter*
- ◆ *Village Snow Removal Policy (2 Articles)*
- ◆ *Overhead Sewer Program (2 Articles)*
- ◆ *Residents Asked to Check Home for an Illegal Sump Pump Connection*
- ◆ *Are You Flood Ready?*
- ◆ *New Storm Water Management Portal on the Village Web Site*
- ◆ *City of Wheaton Recycling Extravaganza Saturday, April 18th*
- ◆ *Carol Stream Community Shred & Electronics Drop Off Sat., April 25th*
- ◆ *Apartment & Office Recycling Drop Off Site*
- ◆ *Earth Day Clean Up of Great Western Bike Trail/Ill. Prairie Path Saturday, April 25th*
- ◆ *9th Annual Pond & Stream Sweep Saturday, May 16th*
- ◆ *Watering Conservation Tips*
- ◆ *Mosquito Control & West Nile Virus Infection Protection*
- ◆ *Fall Leaf Disposal News*
- ◆ *Environmental Web Page Chock Full of Important Information*
- ◆ *Holiday Tree, Wreath & Bough Collection (2 Articles)*
- ◆ *Backyard Composting Helps Reduce Yard Waste Disposal Costs*
- ◆ *Household Hazardous Waste Collection Event Scheduled Sat., June 6th*
- ◆ *Mayor's Letter – Earth Day Recycling Event, Community Shred and Electronics Collection Event, Pond & Stream Sweep Volunteer Clean Up Event, Mobile Household Hazardous Waste Collection Event and Free Old Refrigerator & Freezer Pickup.*

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The Village Staff prepared and published several Village Happenings news letter articles on:

- ◆ *Wheaton Hosts Earth Day Recycling Extravaganza on Sat., April 18th from 9 am – 3 pm*
- ◆ *Village Hosts Free Document Shredding & Electronics Recycling Event on Sat., April 25th*
- ◆ *Volunteers Needed for the Saturday, May 16th 2009 Pond & Stream Sweep Event*
- ◆ *Drop Off Unused & Expired Pharmaceuticals to the Police Department Lobby 24/7 (2 Articles)*
- ◆ *Consider ComEd's Smart Ideas Program for Your Home & Business to Save on Energy Costs – Refrigerator/Freezer Recycling*
- ◆ *Document Shredding Event Scheduled for Sat., Sept. 19th @ City of Wheaton Metra Station*
- ◆ *SCARCE to Host Inaugural Green Fair at Cantigny Park on Sat., Sept. 26th from 10 am – 4 pm (2 Articles)*
- ◆ *NEW – Village to Transition to an Electronic Newsletter Beginning in October*
- ◆ *Village, Park District & Fire District Host Annual Open Houses Set for Saturday, Oct. 10th, Thomas Vinson Water Reclamation Center*
- ◆ *6-Week Fall Leaf Sticker Use Period Begins Monday, October 12th*
- ◆ *City of Elmhurst Hosts Regional Document Shredding & Electronics Collection Event*
- ◆ *NEW Sign Up for E-Stream – The Village's New Online Newsletter (3 Articles)*
- ◆ *Save a \$1.00 a Can/Bag by Using 85¢ Leaf Stickers Thru Fri., November 20th*
- ◆ *FREE 2-Week Holiday Tree, Wreath & Bough Pick Up Scheduled for Jan., 2 – 15th*
- ◆ *FREE Holiday Tree, Wreath & Bough Collection Ends January 15th*
- ◆ *FREE Leaf Pick-Up Scheduled for the November 23rd - 28th Collection Week*

The following article was published in The Conservation Foundation's newsletter The Heron:

- ◆ *River Sweep A SWEEPING SUCCESS*

The following water billing message was sent out:

- ◆ *Wheaton Recycling Extravaganza*

The Village Board adopted the following proclamations:

- ◆ *Proclaiming Wednesday, April 22, 2009 Earth Day In Carol Stream*
- ◆ *Proclamation Arbor Day April 24th*
- ◆ *Proclamation Supporting the Village of Carol Stream 10th Annual Pond & Stream Sweep – Saturday may 16th, 2009*
- ◆ *Proclamation Designating Saturday, October 24th As International Climate Action Day In Carol Stream*

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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

Continue to provide homeowners associations and other groups with information about storm water issues, values, procedures, maintenance efforts and solutions to better educate them and equip them to play a role. Encourage Staff to seek opportunities and participation in speaking engagements.

Summary of Accomplishments

The following speaking engagements were conducted by the Village:

- ◆ Mayor Frank Saverino gave the 2009 State of the Village address where different environmental stewardship initiatives undertaken by the Village were presented including: Earth Day Flag Ceremony, Household Hazardous Waste Event, Electronics & Records Shredding Events and a request for volunteers was made for the annual Pond & Stream Sweep Event
- ◆ Provided educational materials (Living Along A Shoreline Or Stream Bank – How The Village Maintains These Valuable Areas & What You Can Do To Help and Dump No Waste Drains To River door hanger) to volunteers for the Village’s annual Pond & Stream Sweep.
- ◆ Village Engineer Jim Knudsen made a presentation at the DuPage River/Salt Creek Workgroup’s (DRSCW) annual meeting on February 24, 2010 providing them with the accomplishments of the Chloride Reduction Subcommittee as well as upcoming tasks for 2011.

The Village is a dues paying member of the DuPage River/Salt Creek Workgroup (DRSCW) which meets regularly and has made the following speaking engagements:

- ◆ Development of TMDLs for Waterways
- ◆ Stream Dissolved Oxygen Improvement Feasibility Study for Salt Creek
- ◆ Stream Dissolved Oxygen Improvement Project for East Branch of DuPage River
- ◆ Chloride Usage Education and Reduction Program Study
- ◆ Using the Bioassessment Report for Identification of Stream Improvement Projects
- ◆ Continuous DO Results From 2008 and Plans for the 2009 Season
- ◆ Green Infrastructure for Clean Water Act
- ◆ DRSCW Form and Function
- ◆ Salt Creek Assessment and Recommendation Concerning the Fullersburg Woods Graue Mill (2 engagements)

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- ◆ A Data Driven Approach to BMP Selection
- ◆ Chloride Reduction in Winter Deicing Operations for Public Agencies
- ◆ Chloride Reduction in Winter Deicing Operations for Private Operators

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

Continue with the preparation and release of storm water quality related articles to local news papers.

Summary of Accomplishments

The following News Releases were distributed:

- ◆ *Earth Day Community Recycling Event* – Village of Carol Stream
- ◆ *Village to Conduct its 10th Annual Pond & Stream Sweep* – Village of Carol Stream
- ◆ *One Drop at a Time: Water, Sustainability, and Your Garden* – Marcus de la fleur, Carol Stream Public Library
- ◆ *Save up to \$175 the first year, Appliance Recycling* – ComEd
- ◆ *Document Shredding Event* – DuPage County and City of Wheaton

The Village prepared and distributed numerous News Releases that included:

- ◆ *Village Hosts Community Shredding & Electronics Recycling Event*
- ◆ *Recycle Your Prescription & Over-the-Counter Medications at the Police Dept. 24/7 (2 Articles)*
- ◆ *IEPA Mobile Household Hazardous Waste Collection Event Scheduled for Sat., June 6th in Bartlett*
- ◆ *ComEd Hosts Free Pick Up of Old Energy-Hog Freezers & Refrigerators*
- ◆ *Prescription Drug Program Suspended*
- ◆ *Prescription Drug Recycling Program Resumes Monday, August 17th*
- ◆ *Village, Park & Fire Districts Host Open Houses on Sat., Oct. 10th, Thomas Vinson Water Reclamation Center*
- ◆ *6-Week Leaf Sticker Use Period Begins the October 12th Collection Week*
- ◆ *Free Fall Leaf Pick-Up: November 23rd - 28th Collection Week*

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- ◆ *2009 Pond & Stream Sweep Clean Up Effort Set for Saturday May 16th*
- ◆ *Village Hosts Arbor Day Tree Planting on Sat., April 25th @ the Town Center*
- ◆ *Private Well Owner Testing*

The following articles were in the local newspapers:

- ◆ *Free leaf pick-up set to be held next week*
- ◆ *Carol Stream partners up to deal with local flooding*
- ◆ *Medications drop-offs under way*
- ◆ *Venture flood control is moving forward*
- ◆ *Technology recycling center opens in village*
- ◆ *Drop boxes for old meds*
- ◆ *Mayor: Finding cash is Carol Stream's challenge*

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

- ◆ *2010 Earth Day Recycling Extravaganza*
- ◆ *Free Recycled Latex Paint Pick Up Hours*
- ◆ *Wayne Twp. Hosts Recycling & Document Shredding Event*
- ◆ *Earth Day Clean Up of Armstrong Park*
- ◆ *Rain Barrel & Native Plant Sale*
- ◆ *Public Invited to Attend DuPage River Coalition Mtgs.*
- ◆ *Great Western Trail Spring Clean Up*
- ◆ *Free Residential Paint Recycling*
- ◆ *DuPage River Sweep Volunteers Needed*
- ◆ *Household Hazardous Waste Collection Site*
- ◆ *Prescription Drug Recycling Program*
- ◆ *Arbor Day Recycling Event*

The Village submitted the following Green Bulletin announcements:

- ◆ *Carol Stream Document Shredding & Electronics Drop Off*
- ◆ *2009 Annual DuPage County River Sweep (2 announcements)*
- ◆ *Unwanted/Expired Medication Disposal Programs Begin!*
- ◆ *One Drop at a Time: Water Sustainability & Your Garden*

Gary Avenue electronic sign messages:

- ◆ *Electronics Recycling Event*
- ◆ *Rx Collection Box*

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- ◆ *Household Haz. Waste Collection Event*
- ◆ *Earth Day Clean Up of Community Park*
- ◆ *Annual DuPage River Sweep – Call for Volunteers*

Through the Village's City Watch automated telephone message system we sent a request for Pond & Stream Sweep volunteers to 4,785 residents that abut our ponds and streams with a delivery rating of 92%, or 4,413 residents.

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

Continue conducting the yearly Pond & Stream Sweep and provide informational material on storm water quality related topics to all volunteers.

Summary of Accomplishments

The Village held its annual Pond & Stream Sweep on Saturday, May 16th. Forty volunteers removed 680 lbs. of trash and debris from 6 miles of shorelines along 8 ponds. At this event storm water educational material is provided to all the volunteers (Living Along A Shoreline Or Stream Bank – How The Village Maintains These Valuable Areas & What You Can Do To Help).

The Carol Stream Park District conducted another separate event, where Cub Scout and Boy Scout volunteers cleaned up garbage around the Armstrong Park pond and Klein Creek on two occasions.

The Village assisted 30 volunteers with stenciling 60 storm drains with the message “Dump No Waste Drains To Stream”.

Carol Stream's Adopt-A-Highway Program utilized numerous volunteers from 5 organizations. In 2009 they performed 13 cleanings removing trash from 9 miles of roadways that could've otherwise entered our streams and ponds.

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The Village conducted an Earth Day Community Recycling Event on Saturday, April 25th where 10,000 pounds of paper was shredded and 25,733 pounds of electronics were collected, all for recycling.

The Village began its Rx Box Program in 2009 collecting 642.7 lbs. of drugs and medical supplies.

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.

Year 1 Milestones

Finish the environmental web page.

Summary of Accomplishments

Completed the Village's new "Environmental Web Portal" that offers a wealth of information on the Village's efforts toward addressing storm water quality issues and how residents can make an impact. The Portal has been updated recently with revisions being made to the following web pages:

- ◆ Bike Paths & Trails – Fixed link to Bicycle & Pedestrian map and DuPage County Forest Preserve maps. Added missing picture.
- ◆ Forest Preserves – Corrected link to DuPage County Forest Preserve maps and added a link to their Natural Areas Management web page.
- ◆ Household Hazardous Waste – Added a link for handling, storage and disposal.
- ◆ Latex Paint – Changed recycling center locations, hours and fees.
- ◆ Natural Environments – Added the Carol Stream Park District web page and links.
- ◆ Water Conservation – Added a web page and links.
- ◆ Computers & Electronics – Updated contact information for recycling companies.
- ◆ Energy Star Program – Replaced existing logo with a public domain logo.
- ◆ Pond Shorelines – Replaced missing photo.
- ◆ Pond & Stream Sweep – Updated volunteer efforts and event dates.
- ◆ Typo errors were corrected on 17 web pages.
- ◆ Special Corridor Regulations – Replaced 2 missing photos.

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Carol Stream made the decision to begin providing our Correspondent and Village Happenings newsletters via email to reduce paper consumption and wind blown debris. All of the articles that were printed in the paper copies are now posted in the E-Stream Community Newsletter as well as other articles which include:

- ◆ *Backyard Composting Made Easy*
- ◆ *Use Fall Leaf Stickers & Save \$1/Bag or Can*
- ◆ *Recycle Prescription & Over-the-Counter Meds @ the Village Police Department 24/7*
- ◆ *Free Leaf Pick Up Scheduled for Nov. 23rd – 28th*
- ◆ *Free Holiday Tree, Wreath & Bough Collection Schedule*
- ◆ *Energy Saving Ideas for Your Home – Appliance Recycling*
- ◆ *Last Week for **FREE** Holiday Tree & Wreath Collection*
- ◆ *Urban Coyote Sightings – Coexistence is Key*

The DRSCW performed the following educational activities in 2009:

- ◆ The web site was redesigned to allow better access to reports and educational materials.
- ◆ Chloride Fact Sheets have continued to be made available to various stakeholders.
- ◆ A DRSCW Newsletter was produced and sent to all MS4 communities.

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

Continue participation in the DRSCW, Municipal Engineers Advisory Group and the Storm Water Quality Stakeholders' Committee meetings. Continue financial support of the DRSCW.

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Summary of Accomplishments

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

- ◆ Finalizing of the Illicit Discharge Detection and Elimination (IDDE) Ordinance and intergovernmental agreements (IGAs).
- ◆ Development of processes and procedures for Guidance Documents/Decision Memos.
- ◆ Selection of BMPs for roadways
- ◆ Allowance of aggregate base detention storage and permeable pavers.
- ◆ Update of the DuPage County Countywide Stormwater Management and Flood Plain Ordinance
- ◆ Clarification of the construction of garages and carports within the floodplain.
- ◆ Provision for countywide permitting for ComEd tree removals in Special Management Areas (SMAs).
- ◆ NPDES Annual Report

The Village adopted an IDDE Ordinance and entered into an IDDE Program IGA with DuPage County.

DuPage County continued monitoring outfalls as part of the IDDE Program.

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:

- ◆ Ambient chloride monitoring
- ◆ Dissolved oxygen monitoring
- ◆ Bioassessment sampling
- ◆ Data analysis
- ◆ Assessment reports
- ◆ DO Improvement Feasibility Study for Salt Creek, East Branch as well as the Churchill Woods Dam Removal/Alteration Project
- ◆ Implementation of the Chloride Usage Education & Reduction Study
- ◆ Green Infrastructure for Clean Water Act compliance

Village Staff has participated on a DRSCW subcommittee for the Chloride Usage Education & Reduction Study. The Village Engineer chaired this subcommittee in implementing chloride reducing strategies through monitoring and education.

The Village Engineer was a participant on the DRSCW Projects Committee. This committee drafted a scope for performing a unique “first of its kind” restorability analysis which will be used to identify, prioritize and recommend various water quality improvement projects by object criteria.

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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

Continue to hold public hearings or meetings for storm water ordinance changes, variances, subdivisions, grant of easements, annexations, preliminary plans, special use permits, planned unit developments and major Village projects.

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 15 special use requests, 5 planned unit developments and on these other following items:

- ◆ Public Hearings and Ordinances
 - Easton Park Annexation Agreement Amendment
 - McCaslin Park Pre-Annexation Agreement
 - 27W110 North Avenue Annexation Agreement
- ◆ Letter of Credit Reductions
 - Lowes
 - Carol Stream Park District Maintenance Facility
 - Armstrong Park Shoreline Erosion Stabilization Phase II Project
- ◆ Award of Contracts
 - Tubeway Drive Stormwater Lift Station Replacement Project – Consultant Engineering Amendment
 - Tubeway Drive Stormwater Lift Station Replacement Project – Construction (3 Meetings)
 - Tubeway Drive Stormwater Lift Station Replacement Project – Design Engineering Amendment
 - Special Management Area Reviews – Professional Engineering Services

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- West Street/Gundersen Drive Reconstruction Project – Phase III Construction Administration
- West Street/Gundersen Drive Reconstruction Project – Construction
- Bridge & Culvert Inspections – Consultant Engineering Services
- Thunderbird Trail Bridge Deck Replacement Project – Consultant Engineering Services
- Carol Stream Venture Flood Control Project – Construction
- Pond Shoreline and Wetland Monitoring & Management Contract
- GIS/GPS Maintenance Project – Award of Contract
- ◆ Agreements
 - Tree Harvesting Agreement
 - Contract Snow Removal Agreements
 - Emerald Ash Borer Agreement
 - Glenbard Township High School District 87 Flood Control Project Intergovernmental Agreement
 - GIS Data Sharing Agreement – Memorandum of Understanding
- ◆ Reports
 - Carol Stream Venture Flood Control Study Update
 - Carol Stream Venture Flood Control Project Implementation
 - Klein Creek Flood Plain Structure Buyout Project
 - Snow Removal Plan
- ◆ Ordinances & Resolutions
 - Ordinance Approving an Illicit Discharge and Detection Elimination Ordinance
 - Resolution Authorizing the Execution of an Intergovernmental Agreement with DuPage County for the Implementation of an Illicit Discharge and Detection Elimination Program
 - Resolution Authorizing the Execution of an Intergovernmental Agreement with Glenbard Township High School District No. 87 for the Construction of the Carol Stream Venture Flood Control Project
 - Resolution Supporting the Water Conservation Protection Program Established by the DuPage Water Commission
- ◆ Staff reviewed two annexation agreements or amendments and one plat of subdivision.
- ◆ The Village Board accepted two subdivisions.

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.

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Year 1 Milestones

Review the Storm Water Management Program and make the appropriate changes where necessary.

Summary of Accomplishments

There were no significant changes in our policies or procedures and therefore the Storm Water Management Program wasn't revised.

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.

Year 1 Milestones

Continue to conduct both our annual Pond & Stream Sweep and our Adopt-A-Highway Program events. Maintain existing illegal dumping signs.

Summary of Accomplishments

The Village held its 10th annual Pond & Stream Sweep on Saturday, May 16th. Forty volunteers removed 680 lbs. of trash and debris from 6 miles of shorelines along 8 ponds.

Another separate event was conducted by the Carol Stream Park District where Cub Scout and Boy Scout volunteers cleaned up garbage around the Armstrong Park pond and Klein Creek on two occasions.

The Village assisted 30 volunteers with stenciling 60 storm drains with the message "Dump No Waste Drains To Stream".

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Carol Stream's Adopt-A-Highway Program utilized numerous volunteers from 5 organizations. In 2009 they performed 13 cleanings removing trash from 9 miles of roadways that could've otherwise entered our streams and ponds.

The Village conducted an Earth Day Community Recycling Event on Saturday, April 25th where 10,000 pounds of paper was shredded and 25,733 pounds of electronics were collected, all for recycling.

The Village began its Rx Box Program in 2009 collecting 642.7 lbs. of drugs and medical supplies.

Provided comments on DuPage County's website with a blog for the update of the DuPage County Countywide Stormwater and Flood Plain Ordinance.

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

Carol Stream will continue to update both its storm sewer outfall and storm sewer system maps using GPS and GIS technology. We will provide revised maps to DuPage County in the requested format.

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Summary of Accomplishments

The Village collected over 5,105 utility (water, sanitary sewer and storm sewer) coordinates in 2009 utilizing GPS technologies. In total the Village has collected 8,352 GPS coordinates of storm sewer structures over the last several years. This accounts for over 75% of all storm sewer structures, both public and private, in the Village.

The Storm Sewer Outfall Map was updated.

Data schemas and templates were prepared for the storm sewer system.

A Memorandum of Understanding (MOU) with DuPage County for the joint sharing of GIS information was prepared by staff and passed by the Village Board.

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 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

Adopt an Illicit Discharge Detection and Elimination ordinance. Begin coordinating administrative duties with DuPage County. Participate on the Municipal Engineers Advisory Group in the preparation, review or revision of regulatory processes and procedures. Communicate and exchange with DuPage County the required information for an effective program.

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Summary of Accomplishments

The Village adopted an Ordinance Approving an Illicit Discharge and Detection Elimination Ordinance and passed a Resolution Authorizing the Execution of an Intergovernmental Agreement with DuPage County for the Implementation of an Illicit Discharge and Detection Elimination Program.

DuPage County continued monitoring outfalls through dry weather screening as part of the IDDE Program.

Engineering staff regularly attended and provided input at Municipal Engineers Group meetings where the IDDE Program Technical Guidance was discussed and developed. The DRSCW funded the development of a sanitary sewer and septic field GIS layers that can be used in calculating risk factor values. This was done by the redistribution of unspent Section 319 grant monies.

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.

Year 1 Milestones

Once DuPage County notifies the Village of the source of an illicit discharge, the protocols set forth in the technical guidance chapter will be followed to have that illicit discharge removed. Carol Stream will provide DuPage County with the status of each illicit discharge that is in the process of being removed.

Summary of Accomplishments

The Village didn't have any illicit discharges removed because none were reported to the Village.

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The Village's previously created Environmental Web Portal had a web page dedicated to IDDE. The web page provided information on the program as well as a contact for reporting a suspected illicit discharge. Village Staff added a link to DuPage County's IDDE Program web page as well as their illicit discharge reporting contacts.

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

Develop a process for evaluating these three components of the IDDE Program (mapping, regulatory control and the source removal procedures). Review the status of the map preparations and make changes as needed. If legal or regulatory issues occur, the IDDE ordinance and regulatory processes will be reviewed and modified to address these issues. We will review the removal processes and procedures followed and prepare a report of findings and recommendations for improvement. If necessary, the appropriate changes will be made to our processes and procedures. The Village will coordinate and communicate with DuPage County on any changes to our elements of the IDDE Program.

Summary of Accomplishments

Engineering staff regularly attended and provided input at Municipal Engineers Group meetings where the IDDE Program Technical Guidance was discussed and developed.

The Village continued collecting GPS coordinates for both public and private storm sewer systems to develop a comprehensive map of the entire system. Once completed the map will be provided to DuPage County which will better enable them to trace illicit discharges and identify their source(s).

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No illicit discharges were reported to the Village and therefore the processes and procedures couldn't be reviewed to identify issues or areas for improvement.

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

Assist DuPage County with the adoption of the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings. Village personnel will attend educational and training sessions as offered by DuPage County to help maintain a more consistent and effective application of the regulations throughout the county.

Summary of Accomplishments

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

- ◆ Updating the Storm Water Ordinance.
- ◆ Preparation of Interim Guidance Document policies, processes and procedures.

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- ◆ Resolving BMPs through education
- ◆ Storage in Stone to be Used for Stormwater Detention
- ◆ Permit Irregularities

The following DuPage County training sessions were attended:

- ◆ 1 Engineering employee attended Turf Reinforcement Mat (TRM) training.
- ◆ 1 Engineering employee attended Scour Stop Protection with TRMs training.
- ◆ Using Polymers – Soil Erosion and Sedimentation Control and Stabilization

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

Attend County presentations and seminars that would educate and guide staff on how to regulate the BMP Manual. This would ensure the BMP Manual would be regulated consistently countywide.

Summary of Accomplishments

All Engineering technical employees (4) have attended the Certified Profession in Erosion & Sediment Control training.

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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 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

Assist DuPage County with adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings.

Summary of Accomplishments

Through the use of an engineering consultant, all storm water permit submittals were reviewed. A total of 10 permits were issued.

Village Staff regularly attended the Municipal Engineers Advisory Group meetings and provided public comment and technical support on implementation of the BMP Manual, its relationship with the Storm Water Ordinance and its effect on the processes and procedures.

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

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Board meetings, committee meetings or our Listening Post. For those instances where staff can not 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.

Year 1 Milestones

Continue to field public complaints and requests utilizing the Village's CSR process. Conduct open public meetings where the public can comment on storm water issues. Continue to offer meetings for developers as well as the public to obtain information and comment on storm water concerns.

Summary of Accomplishments

Received, investigated and resolved 55 drainage and storm water issues through the Village's CSR process.

The Village and its storm water plan review consultant held pre-application and plan review meetings with developers and their engineers to provide direction on storm water permit submittal requirements.

The Village Board meetings and Plan Commission meetings allow public input through audience participation and public hearings, Board and Commission reports, old business, staff reports and recommendations, ordinances, resolutions and new business. The Village Board took action on 15 special use requests, 5 planned unit developments and on these other following items:

- ◆ Public Hearings and Ordinances
 - Easton Park Annexation Agreement Amendment
 - McCaslin Park Pre-Annexation Agreement
 - 27W110 North Avenue Annexation Agreement
- ◆ Letter of Credit Reductions
 - Lowes
 - Carol Stream Park District Maintenance Facility
 - Armstrong Park Shoreline Erosion Stabilization Phase II Project
- ◆ Award of Contracts
 - Tubeway Drive Stormwater Lift Station Replacement Project – Consultant Engineering Amendment
 - Tubeway Drive Stormwater Lift Station Replacement Project – Construction (3 Meetings)

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- Tubeway Drive Stormwater Lift Station Replacement Project – Design Engineering Amendment
- Special Management Area Reviews – Professional Engineering Services
- West Street/Gundersen Drive Reconstruction Project – Phase III Construction Administration
- West Street/Gundersen Drive Reconstruction Project – Construction
- Bridge & Culvert Inspections – Consultant Engineering Services
- Thunderbird Trail Bridge Deck Replacement Project – Consultant Engineering Services
- Carol Stream Venture Flood Control Project – Construction
- Pond Shoreline and Wetland Monitoring & Management Contract
- ◆ Agreements
 - Tree Harvesting Agreement
 - Contract Snow Removal Agreements
 - Emerald Ash Borer Agreement
 - Glenbard Township High School District 87 Flood Control Project Intergovernmental Agreement
- ◆ Reports
 - Carol Stream Venture Flood Control Study Update
 - Carol Stream Venture Flood Control Project Implementation
 - Klein Creek Flood Plain Structure Buyout Project
 - Snow Removal Plan

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.

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Year 1 Milestones

Ensure staff has proper qualifications to conduct site inspections with respect to sediment and erosion control. Continue to offer employees the ability to attend training on site inspections of storm water management facilities.

Summary of Accomplishments

The following training sessions were attended:

- ◆ 4 Engineering employees attended the Certified Profession in Erosion & Sediment Control training.
- ◆ 1 Engineering employee attended a presentation on Growing Change: rain gardens in Southwest Ohio.
- ◆ 1 Engineering employee attended a presentation on Is There a Role for Detention Facilities in the Age of Low Impact Development.
- ◆ 22 Public Works employees were trained on March 18, 2010 on Municipal Storm Water Pollution Prevention by Excal Visual.

All construction sites were inspected for soil and erosion control and post construction BMPs in 2009. Although an inspection log was created it was not used. Use of the inspection log has now begun and will continue to be used for all sites.

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.

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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.

Year 1 Milestones

Assist DuPage County with adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings.

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.

The Village Staff attended the Municipal Engineers Advisory Group meetings and provided input into the following topic discussions:

- ◆ Updating the Storm Water Ordinance
- ◆ Preparation of Interim Guidance Document policies, processes and procedures.
- ◆ Best Management Practices – Questions & Answers
- ◆ Storage in Stone to be Used for Stormwater Detention
- ◆ Permit Irregularities

Village Staff provide blog comments on DuPage County's website for the update of the DuPage County Countywide Stormwater and Flood Plain Ordinance.

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 to include the BMP updates will require all BMPs be put into an easement.

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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

Assist DuPage County with adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings. Continue to enforce the Storm Water Ordinance and accept storm water management and conveyance easements and wetland conservation easements.

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.

Village Staff regularly attended the Municipal Engineers Advisory Group meetings and provided public comment and technical support on implementation of the BMP Manual, its relationship with the Storm Water Ordinance and its effect on the processes and procedures. The Village Staff provided input into the following topic discussions:

- ◆ Updating the Storm Water Ordinance
- ◆ Preparation of Interim Guidance Document policies, processes and procedures.
- ◆ Best Management Practices – Questions & Answers
- ◆ Storage in Stone to be Used for Stormwater Detention
- ◆ Permit Irregularities

No easements were approved during the reporting period.

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.

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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.

Year 1 Milestones

Assist DuPage County with adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings. Perform plan reviews in conformance with the new BMP Manual requirements.

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.

The Village and its storm water plan review consultant held pre-application and plan review meetings with developers and their engineers to provide direction on storm water permit submittal requirements.

Reviewed and issued 10 storm water management permits.

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.

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Year 1 Milestones

Assist DuPage County with adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings. Continue performing site inspections on all developments that have been issued a storm water permit for soil and erosion control and post construction BMPs.

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.

The Village Board took action on the following items:

- ◆ Letter of Credit Reductions
 - Lowes
 - Carol Stream Park District Maintenance Facility
 - Armstrong Park Shoreline Erosion Stabilization Phase II Project
- ◆ Award of Contracts
 - Special Management Area Reviews – Professional Engineering Services for pre and post construction BMP monitoring
 - West Street/Gundersen Drive Reconstruction Project – Phase III Construction Administration
- ◆ Agreements
 - Glenbard Township High School District 87 Flood Control Project Intergovernmental Agreement – Construction and long term maintenance responsibilities

All construction sites were inspected for soil and erosion control and post construction BMPs in 2009. Although an inspection log was created it was not used. Use of the inspection log has now begun and will continue to be used for all sites.

The following DuPage County training sessions were attended:

- ◆ 1 Engineering employee attended Turf Reinforcement Mat (TRM) training.
- ◆ 1 Engineering employee attended Scour Stop Protection with TRMs training.
- ◆ Using Polymers – Soil Erosion and Sedimentation Control and Stabilization

Four Engineering employees attended the Certified Profession in Erosion & Sediment Control training.

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

Assist DuPage County with adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings. Continue performing “punch list” inspections for final acceptance of all sites requiring soil and erosion control measures post construction BMPs and continue reviewing as-built drawings and calculations for permit compliance.

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.

The Village Board took action on the following items:

- ◆ Award of Contracts
 - Special Management Area Reviews – Professional Engineering Services for pre and post construction BMP monitoring
 - Pond Shoreline and Wetland Monitoring & Maintenance Contract
- ◆ Agreements
 - Glenbard Township High School District 87 Flood Control Project Intergovernmental Agreement – Construction and long term maintenance responsibilities

No storm water management subdivision improvements were accepted in 2009.

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Through the use of an engineering consultant, special management areas (SMAs) and native vegetation was inspected and monitoring plans were reviewed.

The following training sessions were attended:

- ◆ 1 Engineering employee attended a presentation on Rain Water Harvesting.
- ◆ 1 Engineering employee attended a presentation on Growing Change: Rain Gardens in Southwest Ohio.
- ◆ 1 Engineering employee attended a presentation on Is There a Role for Detention Facilities in the Age of Low Impact Development.
- ◆ 1 Engineering employee attended a presentation on Green Infrastructure Options for Storm Water Management in a Downtown Redevelopment.

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.

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

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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

Public Works and Administration maintenance staff will attend the good housekeeping pollution prevention workshop to be conducted by The Conservation Foundation for DuPage County or will view the power point presentation from this good housekeeping training seminar. Collect records of employee training conducted in-house and encourage them to document any other methods of on-going training within their facility.

Summary of Accomplishments

The following training initiatives were completed:

- ◆ 22 Public Works employees were trained on March 18, 2010 on Municipal Storm Water Pollution Prevention by Excal Visual.
- ◆ 1 Engineering employee attended a presentation on Phosphorous Fertilizer Bans in Lake County, Illinois.
- ◆ 1 Engineering employee attended a presentation on What Will We Do When It Rains? Budgeting For Small Cities And Rural Communities.
- ◆ 2 Village Employees attended a presentation on Storm Water Management Grants.

While serving as Chair on the DRSCW Chloride Reduction Committee we accomplished the following tasks

- ◆ The previously developed four Chloride Fact Sheets (Mayors & Mangers, Public Works Staff, Commercial Operators and Homeowners) have continued to be made available to these four groups. They have been distributed to member MS4 communities and participants in our training sessions.
- ◆ A Chloride Newsletter was created and distributed to member MS4 communities and the private commercial operators.
- ◆ The Public Agency Deicing Workshop was held on September 24, 2009.
- ◆ A Workshop for Parking Lot & Sidewalk Deicing was held on October 1, 2009.

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- ◆ The website was redesigned to all better access and the “Chlorides and Winter Anti-Icing Section” was added. It includes a Monitoring Program Report, educational materials, technical resources, information on workshops and certifications and other resources for training and education purposes.
- ◆ A presentation was made to the Municipal Engineers Group on Winter Operations for DuPage County Division of Transportation.
- ◆ The Village Engineer gave a presentation to the Workgroup on February 24, 2010 entitled Chloride Usage Education and Reduction Program Update.

Updated the Village’s Environmental Web Portal which contains a tremendous amount of information and numerous. Major topics include: recycling initiatives, air quality, waste reduction, natural environments, water resources, volunteer programs and energy conservation.

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).

Carol Stream has 77 biodiesel and 22 E85 vehicles in its fleet. Carol Stream has incorporated environmental enhancements when reconstructing and improving roadways as evidenced by the wetland/native prairie swale used for detention and conveyance on the Fair Oaks Road Improvement Project.

Carol Stream is currently employing both pre-wetting and anti-icing measures in its annual Snow Removal Plan. Pre-wetting salt and using an ant-icing mixture of salt brine, beet juice and calcium chloride 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 deicing is kept in a salt dome and the areas surrounding the salt storage are routinely kept clean.

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

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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, 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.

Year 1 Milestones

Improve communications between Village Departments including Public Works, Administration and Engineering in order to run the good housekeeping pollution prevention program more effectively. Develop maintenance procedures that incorporate pollution control measures. Continue the Catch Basin Cleaning, Inspection and Assessment Program, the Street Sweeping Program, the Wetland & Pond Shoreline Monitoring & Management Program, Sanitary Sewer Inspection Program and Sanitary Sewer Manhole Sealing Program. Discontinue the use of fertilizers containing phosphates and utilize organic options when fertilization is necessary.

Summary of Accomplishments

The following accomplishments were achieved:

- ◆ Updated our 20-Year Capital Improvements Program (CIP).
- ◆ As stated in our previous Annual Report, the Village reduced the number of cleanings due to the low amount of catch basin sediment removed and the good condition of the storm sewer system. Therefore, only 3 catch basins were cleaned last year collecting 2 cubic yards of debris.
- ◆ Public Works performed 48 inspections on the storm sewer system. This resulted in the repair or reconstruction of 35 inlets and 6 manholes. A failed culvert underneath Fair Oaks Road was also replaced.
- ◆ The Village hired a consulting firm to perform our bridge and culvert inspections. These inspections revealed several severely deteriorated deck panels forcing the closure of one lane. Subsequently, the Village hired an engineering firm to prepare plans and contract documents to replace the entire bridge deck with a longer lasting cast-in-place concrete deck with approach aprons. Engineering Staff sought funding assistance from a variety of grant programs.
- ◆ The West Street/Gundersen Drive Reconstruction Project was substantially completed. This project had to avoid wetlands and required the construction of a vegetated swale BMP.

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Village of Carol Stream, 2nd Notice of Intent (Year 1)

- ◆ The Village received \$192,000 in ARRA funds for the Tubeway Drive Storm Water Lift Station Replacement Project. Replacing this old deteriorated lift station with a more reliable and efficient pump station will greatly improve our ability to manage an effective storm water management system in the Narco and Rothbart Subdivisions. Consultant engineering contracts have been awarded for the design and ARRA bid modifications.
- ◆ Carol Stream maintains approximately one hundred and eight miles of roadway. The Village owns two vacuum sweepers and its roadways are swept approximately nine times per year. Last year the Village swept 4,597 curb miles of local roads collecting 1,609 cubic yards of debris.
- ◆ Performed wetland and pond shoreline monitoring and management on 17 Village owned ponds, wetlands and stream banks. Contract cost was \$30,613.
- ◆ Performed over 6,312 Public Works man-hours on storm water management.
- ◆ Expended \$14,000 on storm water maintenance and repair expenses
- ◆ Village Staff has participated on a DRSCW subcommittee for the Chloride Usage Education & Reduction Study. Led this subcommittee in implementing chloride reducing strategies through monitoring and education including the publishing and distribution of Chloride Fact Sheets, Deicing Alternative Products Summary and DRSCW Newsletter articles.
- ◆ The DRSCW is monitoring ambient chloride levels at six locations in the Salt Creek, East and West Branches of the DuPage River.
- ◆ Carol Stream continued our anti-icing and pre-wetting programs to reduce the Village's salt usage by using 65,840 gallons of brine. The Village also used 7,378 gallons of the non-chloride based "GEOMELT" in its anti-icing operations. Contract Snow Removal Agreements were approved for 9 vendors and the Snow Removal Plan was adopted.
- ◆ Digitally televised 21,142 lineal feet of sanitary sewer lines to identify sections for maintenance, repair or replacement. Last year 7 sanitary sewer manholes were sealed.
- ◆ Required the use of weed pulling and a thick mulch bed in lieu of herbicides in landscaping contracts. We also eliminated fertilization from the contract and promoted water conservation.
- ◆ Required the use of "green" products in our janitorial contract.
- ◆ The Village maintains over 7,000 parkway trees that help infiltrate and soak up storm water runoff. Carol Stream has a \$2.25 emergency plan to replace dead or dying trees caused by the emerald ash borer and the Village Board approved a Tree Harvesting Agreement. We also entered into an Emerald Ash Borer Compliance Agreement. A total of 167 parkway trees were installed or replaced.
- ◆ During the reporting year the Village prepared contract documents for the Evergreen Sanitary Lift Station Replacement Project and the Tubeway Stormwater Lift Station Replacement Project. A contract was awarded for the Evergreen Sanitary Lift Station Replacement Project.
- ◆ The Village is in the process of preparing a GIS based storm sewer atlas utilizing GPS technology of all storm sewers and structures in the Village to assist in our management efforts. To date we have acquired GPS coordinates for 8,352 storm sewer structures, both public and private.

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Village of Carol Stream, 2nd Notice of Intent (Year 1)

F.4: Municipal Operations & 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

Improve communications between Village Departments including Public Works, Administration and Engineering in order to run the good housekeeping pollution prevention program more effectively. Develop maintenance procedures that incorporate pollution control measures. Continue the recycling of used oil, oil filters, batteries and tires. Carol Stream will submit record keeping of pollution prevention and good housekeeping activities for annual reporting.

Summary of Accomplishments

The following accomplishments were achieved:

- ◆ All waste from the Vactor truck and vacuum sweepers is sent to approved landfill sites.
- ◆ The Village assisted 30 volunteers with stenciling 60 storm drains with the message "Dump No Waste Drains To Stream".
- ◆ Ran seven aerators that provided oxygen to six different ponds.
- ◆ Performed over 6,312 Public Works man-hours on storm water management.
- ◆ Expended \$14,000 on storm water maintenance and repair expenses
- ◆ The Village stores salt in a salt dome and the areas surrounding salt storage are routinely kept clean.
- ◆ Reported eight sanitary sewer overflows (SSOs) or basement backups, seven being the home owners responsibility.
- ◆ Carol Stream now has 77 biodiesel and 22 E85 vehicles in its fleet.
- ◆ The Village recycled the following quantities of waste:
 - Motor Oil 855 Gallons
 - Oil Filters 836 Filters

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- Paper & Plastic 40.56 Cubic Yards
- Scrap Metal 2,800 Pounds
- Tires 75 Tires
- Vehicle Batteries 21 Batteries
- ◆ There have been no Incidences of Noncompliance (ION).
- ◆ 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) and treated 2 Billion gallons last year.

The Village promotes local and regional recycling through handouts, press releases, Environmental Portal website, Correspondent, Happenings, electronic bulletin board, DuPage County’s Recycling Resource Guide, marquee sign, cable access channel, etc. We conducted our annual Earth Day Community Recycling Event on Saturday, April 25th where 10,000 ponds of paper was shredded and 25,733 pounds of electronics were collected, all for recycling.

The Village began its Rx Box Program in 2009 collecting 642.7 lbs. of drugs and medical supplies.

The Village held its annual Pond & Stream Sweep on Saturday, May 16th. Forty volunteers removed 680 lbs. of trash and debris from 6 miles of shorelines along 8 ponds.

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

Goals

The DuPage County 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 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.

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Village of Carol Stream, 2nd Notice of Intent (Year 1)

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

Assist DuPage County with adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings. Adopt any revisions to the DuPage County Countywide Storm Water and Flood Plain Ordinance.

Summary of Accomplishments

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

- ◆ Finalizing of the Illicit Discharge Detection and Elimination (IDDE) Ordinance and intergovernmental agreements (IGAs).
- ◆ Development of processes and procedures for Guidance Documents/Decision Memos.
- ◆ Selection of BMPs for roadways
- ◆ Allowance of aggregate base detention storage and permeable pavers.
- ◆ Update of the DuPage County Countywide Stormwater Management and Flood plain Ordinance
- ◆ Clarification of the construction of garages and carports within the floodplain.
- ◆ Provision for countywide permitting for ComEd tree removals in Special Management Areas (SMAs).
- ◆ NPDES Annual Report

The DuPage County Countywide Storm Water and Flood Plain Ordinance was last adopted in 2008 while the BMP Manual was also adopted in 2008 by incorporation into Appendix E.

One Village employee attended a presentation on Garages and Carports within the Floodplain.

The Village hired a consultant to perform the Carol Stream Venture Subdivision Flood Study that identified several alternatives to reduce flood damages in the area. The Carol Stream Venture Subdivision Flood Control Project was completed at a cost of \$98,931.52. Storm water flows were managed in a way to greatly reduce the potential for flooding in the subdivision. The other alternatives are being investigated further to possibly provide greater protection/redundancy in the system.

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Village of Carol Stream, 2nd Notice of Intent (Year 1)

Carol Stream applied for grant funding from the Hazard Mitigation Grant Program (HMGP), DuPage County Flood Plain Buyout Program and the Community Development Block Grant (CDBG) Program for the Klein Creek Flood Plain Structure Buyout Project. This \$1,011,520 project calls for the purchase and demolition of 4 flood prone structures, thereby permanently eliminating the risk of flood damage. To date the Village has received \$181,000 from DuPage County.

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

The Village will begin utilizing the corrected and updated DFIRM maps once they have been approved and adopted by FEMA and DuPage County.

Summary of Accomplishments

FEMA has not approved or updated the DFIRM maps requiring corrections nor have they made them available to the public.

One Village employee attended a presentation on DuPage County's Floodplain Mapping Program utilizing Peak to Volume Statistics (PVSTATS).

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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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Village of Carol Stream, 2nd Notice of Intent (Year 1)

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

PUBLIC EDUCATION & OUTREACH

A.1: Distribution of Paper Material

Continue with the publication and distribution of available paper materials.

A.2: Speaking Engagement

Continue to provide homeowners associations and other groups with information about storm water issues, values, procedures, maintenance efforts and solutions to better educate them and equip them to play a role. Encourage Staff to seek opportunities and participation in speaking engagements.

A.3: Public Service Announcement

Continue with the preparation and release of storm water quality related articles to local news papers.

A.4: Community Event

Continue conducting the yearly Pond & Stream Sweep and provide informational material on storm water quality related topics to all volunteers.

A.6: Other Public Education

Continue updating the Village's environmental web page as new and better information becomes available.

PUBLIC INFORMATION/INVOLVEMENT

B.3: Stakeholder Meeting

Continue participation in the DRSCW, Municipal Engineers Advisory Group and the Storm Water Quality Stakeholders' Committee meetings. Continue financial support of the DRSCW.

B.4: Public Hearing

Continue to hold public hearings or meetings for storm water ordinance changes, variances, subdivisions, grant of easements, annexations, preliminary plans, special use permits, planned unit developments and major Village projects.

B.6: Program Coordination

Review the Storm Water Management Program and make the appropriate changes where necessary.

B.7: Other Public Involvement

Continue to conduct both our annual Pond & Stream Sweep and our Adopt-A-Highway Program events. Maintain existing illegal dumping signs.

ILLICIT DISCHARGE DETECTION & ELIMINATION

C.1: Storm Sewer Map Preparation

Carol Stream will continue to update both its storm sewer outfall and storm sewer system maps using GPS and GIS technology. We will provide revised maps to DuPage County in the requested format.

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Village of Carol Stream, 2nd Notice of Intent (Year 1)

C.2: Regulatory Control Program

Participate on the Municipal Engineers Advisory Group in the preparation, review or revision of regulatory processes and procedures. Communicate and exchange with DuPage County the required information for an effective program.

C.5: Illicit Source Removal Procedures

Once DuPage County notifies the Village of the source of an illicit discharge, the protocols set forth in the technical guidance chapter will be followed to have that illicit discharge removed. Carol Stream will provide DuPage County with the status of each illicit discharge that is in the process of being removed.

C.6: Program Evaluation & Assessment

Continue with the annual evaluation and assessment processes developed in the first year.

CONSTRUCTION SITE RUNOFF CONTROL

D.1: Regulatory Control Program

Adopt an updated Storm Water Ordinance to implement changes that incorporate the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual). Village personnel will attend educational and training sessions as offered by DuPage County to help maintain a more consistent and effective application of the regulations throughout the county.

D.2: Erosion & Sediment Control BMPs

Attend County presentations and seminars that would educate and guide staff on how to regulate the BMP Manual. This would ensure the BMP Manual would be regulated consistently countywide. Ensure staff has professional ability and appropriate certifications (when necessary) to review and inspect the guidelines of the BMP Manual.

D.4: Site Plan & Review Procedures

Adopt updated Storm Water Ordinance to implement changes that incorporate the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual).

D.5: Public Information Handling Procedures

Continue to field public complaints and requests utilizing the Village's CSR process. Conduct open public meetings where the public can comment on storm water issues. Continue to offer meetings for developers as well as the public to obtain information and comment on storm water concerns.

D.6: Site Inspection/Enforcement Procedures

Ensure staff has proper qualifications to conduct site inspections with respect to sediment and erosion control. Continue to offer employees the ability to attend training on site inspections of storm water management facilities.

POST CONSTRUCTION RUNOFF CONTROL

E.2: Regulatory Control Program

Adopt updated Storm Water Ordinance to implement changes that incorporate the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual).

E.3: Long Term O&M Procedures

Adopt updated Storm Water Ordinance to implement changes that incorporate the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual). Continue to enforce the Storm Water Ordinance and accept storm water management and conveyance easements and wetland conservation easements.

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Village of Carol Stream, 2nd Notice of Intent (Year 1)

E.4: Pre-construction Review of BMP Designs

Adopt updated Storm Water Ordinance to implement changes that incorporate the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual). Perform plan reviews in conformance with the new BMP Manual requirements.

E.5: Site Inspections During Construction

Adopt updated Storm Water Ordinance to implement changes that incorporate the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual). Continue performing site inspections on all developments that have been issued a storm water permit for soil and erosion control and post construction BMPs.

E.6: Post Construction Inspections

Adopt updated Storm Water Ordinance to implement changes that incorporate the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual). 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.

POLLUTION PREVENTION/GOOD HOUSEKEEPING

F.1: Employee Training Program

Improve communications between Village Departments including Public Works, Administration and Engineering in order to run the good housekeeping pollution prevention program more effectively. Assess other personnel that should attend the training session. Collect records of employee training conducted in-house and encourage them to document any other methods of on-going training within their facility.

F.2: Inspection & Maintenance Program

Continue the Catch Basin Cleaning, Inspection and Assessment Program, the Street Sweeping Program, the Wetland & Pond Shoreline Monitoring & Management Program, Sanitary Sewer Inspection Program and Sanitary Sewer Manhole Sealing Program. Discontinue the use of fertilizers containing phosphates and utilize organic options when fertilization is necessary.

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Village of Carol Stream, 2nd Notice of Intent (Year 1)

F.4: Municipal Operations & Waste Disposal

Continue the recycling of used oil, oil filters, batteries and tires. Carol Stream will submit record keeping of pollution prevention and good housekeeping activities for annual reporting.

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

Adopt any revisions to the DuPage County Countywide Storm Water and Flood Plain Ordinance.

FIRM Updates

The Village will begin utilizing the corrected and updated DFIRM maps once they have been approved and adopted by FEMA and DuPage County.

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Village of Carol Stream, 2nd Notice of Intent (Year 1)

The Village of Carol Stream is relying on DuPage County to satisfy our permit obligations. See DuPage County’s Annual Facility Inspection Report.

Annual Facility Inspection Report – Section F

Year 7 of NPDES Permit No. ILR400308

Village of Carol Stream, 2nd Notice of Intent (Year 1)

CONSTRUCTION PROJECT LIST

Location	Start Date Est. Comp. Date Description
Town Center Parking Lot Improvement Project	9/2008 11/2009 Grading and restoration of a grass turf parking lot.
West Street & Gundersen Drive Reconstruction Project	8/2009 7/2010 Total street reconstruction with storm sewer additions, curb and gutter, under drains, ditch regrading, restoration and BMP installation.
Evergreen Lift Station Replacement Project	2/2009 7/2010 Total replacement of the sanitary sewer lift station, landscaping and site restoration.