
Annual Facility Inspection Report – Section B

Year 8 of NPDES Permit No. ILR400308

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

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 2 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
- ◆ *RxBox Disposing Meds Safely* – DuPage County Health Department

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- ◆ *Updating DuPage’s Stormwater and Flood Plain Ordinance – DuPage County*
- ◆ *OUTDOOR Water Use – Village of Carol Stream*
- ◆ *A Guide for Controlling the Cottony Maple Scale – Village of Carol Stream*
- ◆ *Testing Private Well Water – Illinois Department of Public Health*
- ◆ *Storm Drain Stenciling – The Conservation Foundation*
- ◆ *Save up to \$175 the first year Appliance Recycling – ComEd*
- ◆ *Regional Household Hazardous Waste Facility – City of Naperville*
- ◆ *DuPage County Recycling Guide – DuPage County*

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

- ◆ *Recycle Old Cell Phones & Cell Batteries in the Municipal Center Lobby 24/7*
- ◆ *Community Recycling Event – Addison Public Library Parking Lot*
- ◆ *Cell Phone & Crayon Recycling Program – Adventist GlenOaks Hospital (2 Articles)*
- ◆ *Anti-Icing Spray Saves Money & Protects Environment*
- ◆ *Holiday Lights Recycling – Carol Stream (5 Articles)*
- ◆ *Residential Recycling List – Single Stream Specifications*
- ◆ *Free Holiday Tree Pick Collection & 2011 Refuse Collection rates*
- ◆ *Snow Removal Services – Snow & Ice Control (2 Articles)*
- ◆ *Public Works Department – Street Sweeping Program*
- ◆ *Greening Your Holiday Season*
- ◆ *Your Support of Snow & Ice Removal is Needed*
- ◆ *Illinois EPA Offers Environmentally Friendly Holiday Tips*
- ◆ *Free Leaf Pick Up Begins Week of Nov. 22nd*
- ◆ *Nov. 17th is Deadline to Apply for FEMA Assistance (3 Articles)*
- ◆ *Free Workplace Recycling Seminar – College of DuPage (2 Articles)*
- ◆ *FREE Electronics Recycling Event for DuPage County Businesses*
- ◆ *FEMA to Host Basement Flooding Loss Mitigation Workshops – Carol Stream*
- ◆ *Raking Leaves into the Curb/Street Prohibited*
- ◆ *Free Document Shredding for DuPage Businesses – DuPage County (2 Articles)*
- ◆ *6-Week Leaf Sticker Use Period Begins the October 11th Collection Week*
- ◆ *2nd Annual Green Fair Scheduled for Sept. 25 – Cantigny Gardens (2 Articles)*
- ◆ *Cool Cities Carol Stream to Host Green Seminar*
- ◆ *Are you Ready for a Disaster?*
- ◆ *Flood Disaster Assistance*
- ◆ *RxBox Program – Disposing Medications Safely – Carol Stream*
- ◆ *FEMA to Host Disaster Preparedness Seminar – Carol Stream*

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- ◆ *FEMA Flood Assistance Available (2 Articles)*
- ◆ *Recycling Event - Village of Hanover Park*
- ◆ *Household Hazardous Waste Disposal Site Open Every Weekend – Naperville (3 Articles)*
- ◆ *Wayne Township Hosts Document Shredding & Recycling Extravaganza on Sat. June 5th*
- ◆ *Scrap Metal Recycling (2 Articles)*
- ◆ *Volunteers Still Needed for DuPage River Sweep – Carol Stream*
- ◆ *Village Hosts 3rd Annual Electronics Recycling Event*
- ◆ *DuPage County Hosts Free Document Shredding & Green Landscapes Event*
- ◆ *Take the Pledge to Conserve Water*
- ◆ *Volunteers Needed for Annual River Sweep & Great Western Trail Clean Up*
- ◆ *Glen Ellyn Recycling Extravaganza*
- ◆ *Wheaton Hosts Annual Earth Day Recycling Extravaganza*
- ◆ *Illinois Appliance Rebate Program*
- ◆ *Recycle Your Rx Safely in the Police Dept. Lobby*
- ◆ *Appliance Recycling*
- ◆ *FEMA to Host Emergency Preparedness Seminar – Carol Stream*
- ◆ *Document Shredding & Recycling Event – Hanover Township*
- ◆ *Cottony Maple Scale Education*

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

- ◆ *Recycle Your Broken Holiday Light Strands Thru Monday, January 31st*
- ◆ *Last Week for FREE Holiday Tree, Wreath & Bough Pick Up (2 Articles)*
- ◆ *Recycle Your Broken Holiday Light Strands In Support of the Christmas Sharing Program (3 Articles)*
- ◆ *FREE Fall Leaf Pick-Up Scheduled for the November 22nd Collection Week (2 Articles)*
- ◆ *The Deadline to Apply for FEMA Flood Disaster Assistance is Thursday, November 18th*
- ◆ *Raking Leaves into the Street/Curb is Prohibited*
- ◆ *Cool Cities Carol Stream Hosts a Sustainability (Greening) Seminar on Thu., Sept. 30th*
- ◆ *FEMA DuPage Branch to Host September 14th Disaster Preparedness Seminar @ the Library*
- ◆ *Hanover Township to Host Recycling & Document Shredding Event on Sat., August 14th*
- ◆ *Wayne Twp. Hosts Document Shredding & Recycling Event on Sat., June 5th from 9am – 1pm*
- ◆ *Volunteers Needed for the 2010 DuPage County Pond & Stream Sweep Event*
- ◆ *Village Hosts FREE Electronics Recycling Event on Sat., May 8th at the Ferraro Town Center*
- ◆ *DuPage Cty. Hosts FREE Document Shredding & Green Landscape Event on Sat., May 8th*
- ◆ *Wheaton Hosts Annual Earth Day Recycling Extravaganza on Sat., April 17th from 9am – 1pm*

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The following water billing messages were sent out:

- ◆ *Wheaton Recycling Extravaganza*
- ◆ *3rd Annual Electronics Recycling Event*
- ◆ *Document Shredding – Sat., May 8th from 9am – 1pm*
- ◆ *Document Shredding & Recycling Event – Sat., August 14th*
- ◆ *Recycle Your Broken Holiday Light Strands*
- ◆ *Get the E-Stream Newsletter*
- ◆ *Earth Hour 2011*
- ◆ *FEMA to Host a Family Disaster Preparedness Seminar*
- ◆ *Do Not Dump Debris Along Pond & Creek Shorelines*
- ◆ *Volunteers Needed for Oct. 9th Stream Clean Up*

The Village Board adopted the following proclamations and resolutions:

- ◆ *Designating March 14-18, 2011 as Flood Safety Awareness Week*
- ◆ *Supporting Earth Hour 2011, Saturday, March 26, 2011*
- ◆ *Recognizing the 2010 Holiday Light Recycling Program Partners*
- ◆ *Proclaiming Disaster Preparedness Month*
- ◆ *Recognizing April 22, 2010 as Earth Day In Carol Stream*

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 2 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.

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Summary of Accomplishments

The following speaking engagements were conducted by the Village:

- ◆ 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.
- ◆ The Village hired a consultant who gave a presentation to a home owner’s association group of 20-25 individuals educating them on natural area management of pond shoreline buffers and wetlands.

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 and presentations:

- ◆ Chloride Usage Education and Reduction Program Report
- ◆ Where are we with our Stormwater Practices?
- ◆ How to Prepare a Third-Party TMDL for the EPA
- ◆ The DRSCW; A Local Watershed Approach for Salt Creek and the East and West Branches of the DuPage River
- ◆ What are we Learning About Commonly Used Stormwater Practices?
- ◆ Polycyclic Aromatic Hydrocarbons in Urban Runoff – Sources, Sinks and Treatment: A Review
- ◆ Asian Carp Invasion of the Chaicago Area Waterway System: What Does Science Tell Us?
- ◆ Illinois Green Infrastructure Grant Program
- ◆ Development of a Restorability Identification and Prioritization Tool for the Upper DuPage and Salt Creek Watersheds
- ◆ West Branch Basin Survey 2009
- ◆ Street Sweeping as a Method to Reduce Surface Water Pollution
- ◆ Elgin Sweepers Performance Study
- ◆ Churchill Woods Dam Modification Project
- ◆ State of Illinois 303 (d) List
- ◆ IEPA’s MS4 Permit: BMP Options and Considerations
- ◆ Stream Dissolved Oxygen Continuous Monitoring
- ◆ Beyond the Basics: Green Infrastructure for Clean Water, 2010
- ◆ Chloride Usage Education and Reduction Program Public Roads – Calibration and Storage Workshop
- ◆ Chloride Usage Education and Reduction Program Parking Lot and Sidewalk Workshop

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A.3: Public Service Announcement

Goals

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

Year 2 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 2010 – Carol Stream Park District*
- ◆ *Green Landscapes Day – DuPage County*

The Village prepared and distributed numerous News Releases that included:

- ◆ *Electronics Recycling Event Scheduled for Saturday, May 8th*
- ◆ *Thunderbird Trail Bridge Construction Project to Begin Aug. 16th*
- ◆ *Flood Debris Removal Begins Tue., July 27th*
- ◆ *SPECIAL MEETING ALERT: DuPage County Board to Consider Flood Control Funding for Klein Creek*
- ◆ *FEMA Assistance Available for Owners of Flood-Damaged Properties*
- ◆ *6 – Week Leaf Sticker Use Period Begins the October 11th Collection Week*
- ◆ *Free Fall Leaf Pick-Up Scheduled for the Nov. 22nd Collection Week*
- ◆ *Recycling Your Broken Holiday Light Strands Benefits the Christmas Sharing Program*
- ◆ *Holiday Lights Recycling*
- ◆ *Recycling Your Broken Holiday Light Strands thru Monday, January 31st*
- ◆ *Holiday Lights Recycling Program Ends January 31st*
- ◆ *Final Week for FREE Holiday Tree & Wreath Collection Nears*

The following articles were in the local newspapers:

- ◆ *Volunteers needed for Great Western Trail clean up*
- ◆ *Village joins in to promote water conservation efforts*
- ◆ *Earth Day events planned within village*

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- ◆ *Board gives approval to Thunderbird Trail*
- ◆ *Tired in Carol Stream*
- ◆ *Park District being green*
- ◆ *UNDER WATER AGAIN*
- ◆ *Flood-ravaged DuPage towns seeking federal help*
- ◆ *Reaction to flood irks some village residents*
- ◆ *Carol Stream residents angry over flooding woes*
- ◆ *Board member wants \$30 million to fight DuPage flooding*
- ◆ *Residents rail at village, county flood response*
- ◆ *Residents complain about smelly problem*
- ◆ *Park Board addresses recent flood concerns*
- ◆ *Village plans to form team for disaster relief*
- ◆ *Obama declares DuPage and Cook flood disaster areas*
- ◆ *Carol Stream to waive permit fees on flood repairs*
- ◆ *Group to tackle disaster response*
- ◆ *Permit fees to be waived on flood repairs*
- ◆ *Feds working to help flood victims*
- ◆ *Carol Stream looks into flood relief*
- ◆ *DuPage board OKs divisive \$70 million borrowing plan*
- ◆ *Parking pavers draw criticism from some community members*
- ◆ *County approves borrowing \$70M to address flooding issues*
- ◆ *Disaster prep group to meet Monday*
- ◆ *Deadline approaching for flood aid*
- ◆ *Carol Stream park board looks at flood relief options*
- ◆ *FEMA plans to hold disaster preparedness seminar*
- ◆ *Park Board supports storm-water efforts*
- ◆ *Crucial cleanup*
- ◆ *Carol Stream's emergency response panel assessing needs, how to meet them*
- ◆ *Cleanup of creeks results in big success*
- ◆ *Stormwater agency presents rain plan*
- ◆ *Flooding workshop scheduled in village*
- ◆ *FEMA to host community outreach workshops*
- ◆ *Buyout application for flooding is approved*
- ◆ *Village to buy 3 flood-prone homes in Carol Stream*
- ◆ *Buyout program could be sweet relief for a few homeowners*
- ◆ *Salt makes roads safer, but waterways?*

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- ◆ *Village says ‘snow’ worries when it comes to roads*
- ◆ *Flood buyout program forges ahead*
- ◆ *Lights recycling program helps village go green, earn green*
- ◆ *Snow season proving no hardship for village*
- ◆ *Holiday lights recycling program ends Monday*
- ◆ *Troubled waters? Creek cleanup coming to a close*
- ◆ *Park Board wants to meet about flood project*

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

- ◆ *Recycling Rx @ Vil. Hall*
- ◆ *Recycle Cell Phones & Batteries @ Village Hall 24/7*
- ◆ *Recycling Event*
- ◆ *Earth Day Festival & Farmer’s Market*
- ◆ *City of Wheaton Recycling Event*
- ◆ *ENVIRONMENTAL WEB PORTAL – HELP US GREEN CAROL STREAM*
- ◆ *Free Computer Recycling*
- ◆ *Stream Sweep Volunteers Needed*
- ◆ *Household Hazardous Waste Disposal*
- ◆ *Holiday Tree Recycling*
- ◆ *Earth Hour 2011*

The Village submitted the following Green Bulletin announcements:

- ◆ *FREE Holiday Light Strand Recycling Collections*

Gary Avenue electronic sign messages:

- ◆ *RECYCLE Electronics Drop Off*
- ◆ *Rx Box Recycle Rx Meds*
- ◆ *Household Hazardous Waste Drop Off Location*
- ◆ *Earth Hour 2011*
- ◆ *Free Document Shredding*
- ◆ *Volunteers NEEDED for ... Clean Up of Thunderbird & Klein Creeks*
- ◆ *Recycling Extravaganza*
- ◆ *Think Globally Act Locally!!! Greening Seminar*
- ◆ *Recycle Your Holiday Lights*

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The Village used several different public service announcements to request volunteers for our annual Pond & Stream Sweep and our Klein Creek and Thunderbird Creek Clean Up. They included:

- ◆ Carol Stream Chamber of Commerce Newsletter
- ◆ The Conservation Foundation Happenings
- ◆ The Conservation Foundation Web Site
- ◆ Village of Carol Stream Intranet
- ◆ Join Us In Making A Difference For Carol Stream Flood Victims
- ◆ Annual State of Village handouts, power point presentation and notices.

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 2 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 22nd. Sixty eight volunteers removed 2,460 lbs. of trash and debris from 11 miles of shorelines along 17 ponds and stream sections. 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 Village conducted another separate event on October 9th, the Klein Creek & Thunderbird Creek Clean Up. Forty three volunteers removed 25 truck loads of flow obstructions from 8,000 feet of stream banks. In addition 12,000 feet of stream banks were inventoried for a contract to removal the larger obstructions.

The Village assisted volunteers with stenciling 592 storm drain inlets with the message “Dump No Waste Drains To Stream”.

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Carol Stream's Adopt-A-Highway Program utilized numerous volunteers from 6 organizations. They performed 12 cleanings removing trash from roadways that could've otherwise entered our streams and ponds.

The Village conducted an Earth Day Community Recycling Event on Saturday, May 8, 2010 where 19,125 pounds of electronics were collected, all for recycling.

The Village's Rx Box Program collected 1,104 lbs. of drugs and medical supplies.

A total of 3,032 lbs. of holiday lights were collected for recycling yielding 303 lbs. of industry-grade copper. The entire proceeds were donated to the Village's Christmas Sharing Program.

At the 2010 State of the Village Address the following informational material consisting of pamphlets and brochures was made available at a booth:

- ◆ *Storm Drain Stenciling* – The Conservation Foundation
- ◆ *Living Along A Shoreline Or Stream Bank – How The Village Maintains These Valuable Areas & What You Can Do To Help* – Village of Carol Stream
- ◆ *Dump no waste! Drains to river!*
- ◆ *Rain. It's a Natural Resource*
- ◆ *Where does the rain go?*
- ◆ *Got downspouts? Build a rain garden!*
- ◆ *Native Landscaping*
- ◆ *Live near a detention pond?*
- ◆ *SCARCE Earth Flag Certification Program*

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 2 Milestones

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

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Summary of Accomplishments

Updated 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 Village also added several new pages to our web site. Web site additions and Environmental Web Portal updates include the following:

- ◆ Water Conservation in Carol Stream Conserving our Valuable Resource – New web page
- ◆ Flood Information (July 24, 2010 Event) – New web page includes the following:
 - Dumpster Locations
 - Flood Debris Removal
 - DuPage County Flood Information Line
 - Stormwater Management Web Page
 - Fraud Alert
 - Prepare con la Cruz Roja
 - Repairing Your Flooded Home
 - Governor Quinn Declares 12 Counties State Disaster Areas
 - President Obama Declares DuPage County A Flood Disaster Area
 - FEMA Community Relations Teams In Disaster Area To Help
 - FEMA Individuals & Households Program (IHP) Provides Assistance
 - FEMA Guía Para Asistencia Por Desaste
 - FEMA Disaster Assistance Made Easy Pamphlet
 - FEMA ¿Como Solicito Asistencia Por Desaste?
 - FEMA How Do I Apply For Disaster Assistance? Pamphlet
 - FEMA Disaster Unemployment Assistance Available
 - FEMA Announces Disaster Assistance Available Labor Day And After
 - Village Establishes Disaster Response Committee – Volunteers Welcome
 - Volunteers Needed For Klein Creek & Thunderbird Creek Clean Ups
 - DuPage County Presents Klein Creek Watershed Study Alternatives Analysis
 - La Fecha Limite Para Someter la Solicitud a SBA es 18 de Octubre de 2010
 - File An SBA Application As Soon As Possible Before The Deadline For Physical Damages: Oct. 18, 2010
 - Ayuda De SBA
 - Help From SBA
 - FEMA Disaster Assistance – Frequently Asked Questions
 - Don’t Miss Disaster Assistance – Apply Direct To FEMA
 - Disaster Assistance Facts – Deadline For FEMA Registration And SBA Applications Is October 18th
 - Deadline For Disaster Unemployment Assistance Is September 23rd
 - Common Misunderstandings May Harm Disaster Survivors

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- Second Disaster Response Team Meeting Scheduled For October 7th
- Only Three Weeks Remain To Apply For FEMA Disaster Assistance Or Low Interest SBA Loans
- SBA Disaster Loan Eligibility Video
- FEMA Launches New Illinois Disaster Web Site
- Deadline For FEMA Disaster Assistance Grant Applications Extended
- FEMA Flood Protection Workshops
- FEMA To Offer Basement Flooding Avoidance Program Workshops In Carl Stream
- ◆ Storm Water Webpage – Updated web page includes the following:
 - Links
 - Contact Information
 - Frequently Asked Questions
 - A Brief History of Flooding in Carol Stream
 - DuPage County Makes Modifications to Gary-Kehoe Flood Control Reservoir
 - DuPage County Stormwater Management Division to Present Alternative Analysis Results
 - DuPage County Presented Their Klein Creek Watershed Study Alternative Analysis
 - Carol Stream Pond & Stream Sweep (May 16)
 - DuPage County Stormwater Management Planning Committee & Board Meetings
 - SPECIAL MEETING ALERT: DuPage County Board to Consider Flood Control Funding for Klein Creek
 - Volunteers Needed for Klein Creek & Thunderbird Creek Clean Ups
- ◆ The following updates were performed on the Environmental Web Portal:
 - Added Goodwill Store to Resale Store page
 - Added Jan Smith Park Volunteers to the Native Prairies, Wetlands and Ponds web page
 - Modified Wright Recycling narrative per their request on the Scrap Metal page
 - Updated Com2 Computer & Technologies new address and pick up information on the Computer Recycling page
 - Updated Twice is Nice's hours of operation on the Resale Store page

The DRSCW performed the following additional educational activities in 2010:

- ◆ The web site was updated with new 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.

The following educational notices were distributed:

- ◆ Public Roads Deicing Workshop
- ◆ Parking Lot & Sidewalk Deicing Workshop
- ◆ Flex Seal Utility Sealant
- ◆ Spill Response and Stormwater Management Program Plans

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Village Staff attended the following educational programs:

- ◆ DuPage County Countywide Stormwater and Flood Plain Ordinance – Update
- ◆ NPDES Phase II – How to Achieve Compliance Within Budget

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 2 Milestones

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

Summary of Accomplishments

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

- ◆ Modeling requirements for minor excavations in the floodway.
- ◆ Flood response efforts.
- ◆ Community audit sequencing.
- ◆ ILR40 audit discussions.
- ◆ Paneling change of DuPage County regulatory flood map.
- ◆ Update of the DuPage County Countywide Stormwater Management and Flood Plain Ordinance discussing numerous topics including:
 - Impervious Area as a Determination for Detention
 - Water Quality Control Volume
 - Substantial Damage/Improvement Determinations
 - Buffers
 - Accessory Structures in the Flood Plain

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- General Permits
- Flood Plain Compensatory Storage
- Wetland Mitigation
- Modeling
- ◆ NPDES Annual Report

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
- ◆ West Branch DuPage River Survey Summary and Results – West Branch Technical Support Document
- ◆ Drafted proposed legislation to fund Stormwater quality improvement projects through IEPA NPDES fees.
- ◆ 303 (d) list review comments

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 developed an Integrated Priority System (IPS) that will be used to identify, prioritize and recommend various water quality improvement projects by objective criteria.

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.

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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 2 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 16 special use requests, 3 planned unit developments and on these other following items:

- ◆ Public Hearings and Ordinances
 - Annual Budget for the 2011-12 Fiscal Year Beginning May 1, 2011
 - Firestone Complete Auto Care Facility Annexation Agreement
- ◆ Award of Contracts and Change Orders
 - Tubeway Drive Stormwater Lift Station Replacement Project – Construction
 - Plan Review and Inspections for the Village of Carol Stream and DuPage County Storm Water Ordinance – Professional Engineering Services
 - West Street/Gundersen Drive Reconstruction Project – Change Order No. 1, Final Payment & Project Acceptance
 - Thunderbird Trail Bridge Deck Replacement Project – Construction
 - Thunderbird Trail Bridge Deck Replacement Project – Professional Engineering Services, Construction Management
 - Thunderbird Trail Bridge Deck Replacement Project – Change Order No. 1, Final Payment & Project Acceptance
 - Pond Shoreline and Wetland Monitoring & Management Contract
 - Remediation of Detention Basins and Native Vegetation at the Central Park Subdivision – Construction
 - Water Reclamation Center Facility Plan – Professional Engineering Services
 - Water Reclamation Center Sand Filter Rehabilitation – Construction
- ◆ Agreements
 - Illinois Emergency Management Agency (IEMA) State – Local Hazard Mitigation Grant Program (HMGP) Assistance Agreement
 - U.S. Environmental Protection Agency Grant Agreement – Tubeway Drive Stormwater Lift Station Replacement Project

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- ◆ Reports
 - Flood Committee Meeting
 - DuPage County’s Klein Creek Watershed Study and Flood Control Plan, Addendum No. 2 – Review Comments
 - Waiver of Building Permit Fees for Repair of Property Damaged in the Recent Flood Event
 - Cottony Maple Scale
 - Snow Removal Plan
- ◆ Ordinances & Resolutions
 - Resolution Accepting a Plat of Easement for Management and Conveyance – 445-449 Randy Road
 - Resolution Approving a Final Plat of Subdivision – Firestone Complete Auto Care Facility
 - Resolution Accepting Public Improvements – President Manor Townhomes
- ◆ Listening Post
 - Cool City Carol Stream Coalition

B.6: Program Coordination

Goals

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

Year 2 Milestones

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

Summary of Accomplishments

The following changes were made in our policies and procedures thus revising the Storm Water Management Program:

- ◆ The Village discontinued its digital televising in 2010. Instead we initiated a Sanitary Sewer Flow Monitoring Program to improve our efficiency and effectiveness in first identify problem inflow and infiltration (I/I) areas. Once identified as a problem area more extensive investigations will be performed to locate sources, identify corrective measures and program projects.
- ◆ Carol Stream maintains approximately one hundred and eight miles of roadway. One of our two vacuum sweepers was eliminated due to financial constraints. This resulted in a 50% reduction in the Village’s Street Sweeping Program. Roadways are now swept approximately four times per year.

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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 2 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 annual Pond & Stream Sweep on Saturday, May 22nd. Sixty eight volunteers removed 2,460 lbs. of trash and debris from 11 miles of shorelines along 17 ponds and stream sections. 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 Village conducted another separate event on October 9th, the Klein Creek & Thunderbird Creek Clean Up. Forty three volunteers removed 25 truck loads of flow obstructions from 8,000 feet of stream banks. In addition 12,000 feet of stream banks were inventoried for a contract to removal the larger obstructions.

The Village assisted volunteers with stenciling 592 storm drain inlets with the message “Dump No Waste Drains To Stream”.

Carol Stream’s Adopt-A-Highway Program utilized numerous volunteers from 6 organizations. They performed 12 cleanings removing trash from roadways that could’ve otherwise entered our streams and ponds.

The Village conducted an Earth Day Community Recycling Event on Saturday, May 8, 2010 where 19,125 pounds of electronics were collected, all for recycling.

The Village’s Rx Box Program collected 1,104 lbs. of drugs and medical supplies.

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A total of 3,032 lbs. of holiday lights were collected for recycling yielding 303 lbs. of industry-grade copper. The entire proceeds were donated to the Village's Christmas Sharing Program.

Fourteen members of the Village's Community Emergency Response Team (CERT - local volunteer group to assist Police) cleaned storm drains in the original part of Carol Stream.

Provided comments on DuPage County's website with a blog for the update of the DuPage County Countywide Stormwater and Flood Plain Ordinance and submitted final comments on behalf of the Village. The Village Engineer was also an active participant on the DuPage Mayors & Mangers Conference Review Group of the Ordinance update.

The Village Board created a Disaster Response Committee to plan and prepare for any future disasters that may occur. Staff attended committee meetings and assisted by providing information on policies, procedures, ordinances, flood control funding, contacts and other resources.

An informational meeting was held for the property owners participating in the Klein Creek Flood Plain Structure Buyout Project.

Two FEMA workshops (Disaster Preparedness Seminar and Basement Flooding Loss Mitigation Workshop) were conducted to educate residents on how to prevent flood losses and to be prepared.

DuPage County presented the results of their Klein Creek Watershed Study and Flood Control Plan at a public meeting which was open for public comment and review. Village Staff, elected officials and residents participated in seven public meetings held by the County for the approval, funding and implementation of the flood control project.

A workshop was held with the Village Board and the public on the Water Reclamation Center Facility Analysis.

Village Staff met with several prospective developers including: Gary/Della, Carol Stream Park District, McDonalds, Peacock Engineering, Chicago International Trucks and Chicago Motor Cars.

The Village hired a consultant who made a presentation to the Central Park Home Owner's Association on natural areas management.

Engineering Staff provided public comments on the following initiatives:

- ◆ Information Collection Request
- ◆ Illinois Green Infrastructure Study
- ◆ Technical Workshops Survey

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 2 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.

Summary of Accomplishments

The Village collected 2,234 utility (water, sanitary sewer and storm sewer) coordinates in 2010 utilizing GPS technologies. In total the Village has collected 8,352 GPS coordinates of utility structures over the last several years. This accounts for over 90% of all storm sewer structures, both public and private, in the Village.

The Storm Sewer Outfall Map was updated.

The following storm water management maps were created:

- ◆ Public Works Storm Sewer Maps
- ◆ Public Works Sanitary Sewer Map
- ◆ Public Works WRC Chlorine Leak Map

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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 2 Milestones

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.

Summary of Accomplishments

Carol Stream used as a model example by DuPage County of how to effectively administer IDDE procedures.

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 initial 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. The Village Engineer has been an active participant on this project.

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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 2 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

An illicit discharge/construction site violation was removed at Spice Tech on Alexandria Way after an IEPA Inspector noticed uncontained storm water runoff from a mortar mixing operation. The contractor was notified and promptly took corrective action to prevent further illicit discharges. No contaminated runoff was observed leaving the site. The incident was recorded as a construction site violation.

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.

A hazardous materials room inspection was performed at NACA Logistics.

The Village has performed an analysis of the Water Reclamation Center as several relatively recent repairs had to be made due to a chlorine leak, failure of a sedimentation basin and a jammed screw pump. A comprehensive rehabilitation plan was prepared and projects were programmed in the Village's Capital Improvement Program.

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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 2 Milestones

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

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 as well as updates to the DuPage County Storm Water Ordinance. Provided comments on DuPage County's website with a blog for the update of the DuPage County Countywide Stormwater and Flood Plain Ordinance and submitted final comments on behalf of the Village. The Village Engineer was also an active participant on the DuPage Mayors & Mangers Conference Review Group of the Ordinance update.

The Village continued collecting GPS coordinates for both public and private storm sewer systems, approximately 90% complete, to develop a comprehensive map of the entire system. Connectivity and pipe networking of GPS structures is on going. Once completed the map will be provided to DuPage County which will better enable them to trace illicit discharges and identify their source(s).

Engineering Staff is a member and active participant in the DRSCW which monitors all three watersheds. The Village Engineer is also a member of the Septic Field Mapping Project team charged with mapping potential sources of fecal coliform in DuPage County. This is a pilot study project that includes parts of Carol Stream and adjoining unincorporated areas.

The Village Engineer attended two educational seminars dealing with IDDE topics: NPDES Phase II – How to Achieve Compliance Within Budget, Sustainable Pipeline Design – Trenchless Installation & Rehab. And Innovative Repair for Leaking Interceptor Sewer

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There was one incident reported as an illicit discharge, but after further investigation it was determined to be a construction site runoff control violation and was processed as such. 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 2 Milestones

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

Summary of Accomplishments

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

- ◆ Modeling requirements for minor excavations in the floodway.
- ◆ Flood response efforts.

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- ◆ Community audit sequencing.
- ◆ ILR40 audit discussions.
- ◆ Paneling change of DuPage County regulatory flood map.
- ◆ Update of the DuPage County Countywide Stormwater Management and Flood Plain Ordinance discussing numerous topics including:
 - Impervious Area as a Determination for Detention
 - Water Quality Control Volume
 - Substantial Damage/Improvement Determinations
 - Buffers
 - Accessory Structures in the Flood Plain
 - General Permits
 - Flood Plain Compensatory Storage
 - Wetland Mitigation
 - Modeling
- ◆ NPDES Annual Report

Provided comments on DuPage County's website with a blog for the update of the DuPage County Countywide Stormwater and Flood Plain Ordinance and submitted final comments on behalf of the Village. The Village Engineer was also an active participant on the DuPage Mayors & Mangers Conference Review Group of the Ordinance update.

The following DuPage County training session was attended:

- ◆ NPDES Phase II – How to Achieve Compliance Within Budget

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.

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Year 2 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. Ensure staff has professional ability and appropriate certifications (when necessary) to review and inspect the guidelines of the BMP Manual.

Summary of Accomplishments

All Engineering technical employees (4) have previously attended the Certified Profession in Erosion & Sediment Control training. In addition the following training courses have been attended by one or more staff:

- ◆ Sustainable Stormwater Management Concepts
- ◆ Dewatering Technologies Using Geotextile Tubes
- ◆ Where are we with our Stormwater Practices?

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 2 Milestones

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

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Summary of Accomplishments

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

- ◆ Modeling requirements for minor excavations in the floodway.
- ◆ Flood response efforts.
- ◆ Community audit sequencing.
- ◆ ILR40 audit discussions.
- ◆ Paneling change of DuPage County regulatory flood map.
- ◆ Update of the DuPage County Countywide Stormwater Management and Flood Plain Ordinance discussing numerous topics including:
 - Impervious Area as a Determination for Detention
 - Water Quality Control Volume
 - Substantial Damage/Improvement Determinations
 - Buffers
 - Accessory Structures in the Flood Plain
 - General Permits
 - Flood Plain Compensatory Storage
 - Wetland Mitigation
 - Modeling
- ◆ NPDES Annual Report

Provided comments on DuPage County's website with a blog for the update of the DuPage County Countywide Stormwater and Flood Plain Ordinance and submitted final comments on behalf of the Village. The Village Engineer was also an active participant on the DuPage Mayors & Mangers Conference Review Group of the Ordinance update.

Through the use of an engineering consultant, all storm water permit submittals were reviewed. A total of 12 permits were issued.

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 2 Milestones

Adopt updated Storm Water Ordinance to implement changes that incorporate the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual). Continue to field public concerns about proposed developments and implement their concerns in the Stormwater Permit review of the proposed development. Continue to update Village website with ongoing activities and policies.

Summary of Accomplishments

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

- ◆ Modeling requirements for minor excavations in the floodway.
- ◆ Flood response efforts.
- ◆ Community audit sequencing.
- ◆ ILR40 audit discussions.
- ◆ Paneling change of DuPage County regulatory flood map.
- ◆ Update of the DuPage County Countywide Stormwater Management and Flood Plain Ordinance discussing numerous topics including:
 - Impervious Area as a Determination for Detention
 - Water Quality Control Volume
 - Substantial Damage/Improvement Determinations
 - Buffers
 - Accessory Structures in the Flood Plain
 - General Permits
 - Flood Plain Compensatory Storage
 - Wetland Mitigation
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The Village accomplished many tasks at Village Board meetings to satisfy our permit obligations for this BMP. The Village Board took action on 16 special use requests, 3 planned unit developments and on these other following items:

- ◆ Public Hearings and Ordinances
 - Annual Budget for the 2011-12 Fiscal Year Beginning May 1, 2011
 - Firestone Complete Auto Care Facility Annexation Agreement
- ◆ Award of Contracts and Change Orders
 - Tubeway Drive Stormwater Lift Station Replacement Project – Construction
 - Plan Review and Inspections for the Village of Carol Stream and DuPage County Storm Water Ordinance – Professional Engineering Services
 - West Street/Gundersen Drive Reconstruction Project – Change Order No. 1, Final Payment & Project Acceptance
 - Thunderbird Trail Bridge Deck Replacement Project – Construction
 - Thunderbird Trail Bridge Deck Replacement Project – Professional Engineering Services, Construction Management
 - Thunderbird Trail Bridge Deck Replacement Project – Change Order No. 1, Final Payment & Project Acceptance
 - Pond Shoreline and Wetland Monitoring & Management Contract
 - Remediation of Detention Basins and Native Vegetation at the Central Park Subdivision – Construction
 - Water Reclamation Center Facility Plan – Professional Engineering Services
 - Water Reclamation Center Sand Filter Rehabilitation – Construction
- ◆ Agreements
 - Illinois Emergency Management Agency (IEMA) State – Local Hazard Mitigation Grant Program (HMGP) Assistance Agreement
 - U.S. Environmental Protection Agency Grant Agreement – Tubeway Drive Stormwater Lift Station Replacement Project
- ◆ Reports
 - Flood Committee Meeting
 - DuPage County’s Klein Creek Watershed Study and Flood Control Plan, Addendum No. 2 – Review Comments
 - Waiver of Building Permit Fees for Repair of Property Damaged in the Recent Flood Event
 - Cottony Maple Scale
 - Snow Removal Plan
- ◆ Ordinances & Resolutions
 - Resolution Accepting a Plat of Easement for Management and Conveyance – 445-449 Randy Road
 - Resolution Approving a Final Plat of Subdivision – Firestone Complete Auto Care Facility
 - Resolution Accepting Public Improvements – President Manor Townhomes
- ◆ Listening Post
 - Cool City Carol Stream Coalition

Received, investigated and resolved 56 drainage and storm water issues through the Village’s CSR process.

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The Village and its storm water plan review consultant held 36 pre-application and plan review meetings with developers and their engineers to provide direction on storm water permit submittal requirements.

Updated 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. They included the following:

- Added Goodwill Store to Resale Store page
- Added Jan Smith Park Volunteers to the Native Prairies, Wetlands and Ponds web page
- Modified Wright Recycling narrative per their request on the Scrap Metal page
- Updated Com2 Computer & Technologies new address and pick up information on the Computer Recycling page
- Updated Twice is Nice's hours of operation on the Resale Store page

D.6: Site Inspection/Enforcement Procedures

Goals

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

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

Year 2 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

All Engineering technical employees (4) have previously attended the Certified Profession in Erosion & Sediment Control training. In addition the following training courses have been attended by one or more staff:

- ◆ Sustainable Stormwater Management Concepts

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- ◆ Dewatering Technologies Using Geotextile Tubes
- ◆ Where are we with our Stormwater Practices?

All construction sites were inspected for soil and erosion control in 2010. A previously created inspection log was integrated into a database to track and document inspections.

POST CONSTRUCTION RUNOFF CONTROL

E.2: Regulatory Control Program

Goals

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

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

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

Year 1 Milestones

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

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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.

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

- ◆ Modeling requirements for minor excavations in the floodway.
- ◆ Flood response efforts.
- ◆ Community audit sequencing.
- ◆ ILR40 audit discussions.
- ◆ Paneling change of DuPage County regulatory flood map.
- ◆ Update of the DuPage County Countywide Stormwater Management and Flood Plain Ordinance discussing numerous topics including:
 - Impervious Area as a Determination for Detention
 - Water Quality Control Volume
 - Substantial Damage/Improvement Determinations
 - Buffers
 - Accessory Structures in the Flood Plain
 - General Permits
 - Flood Plain Compensatory Storage
 - Wetland Mitigation
 - Modeling
- ◆ NPDES Annual Report

Provided comments on DuPage County's website with a blog for the update of the DuPage County Countywide Stormwater and Flood Plain Ordinance and submitted final comments on behalf of the Village. The Village Engineer was also an active participant on the DuPage Mayors & Mangers Conference Review Group of the Ordinance update. The Village Manger and Engineer attended the DuPage Mayors & Managers Conference Business Meeting where DuPage County gave a presentation on the process of updating 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. 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

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.

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.

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

- ◆ Modeling requirements for minor excavations in the floodway.
- ◆ Flood response efforts.
- ◆ Community audit sequencing.
- ◆ ILR40 audit discussions.
- ◆ Paneling change of DuPage County regulatory flood map.
- ◆ Update of the DuPage County Countywide Stormwater Management and Flood Plain Ordinance discussing numerous topics including:
 - Impervious Area as a Determination for Detention
 - Water Quality Control Volume
 - Substantial Damage/Improvement Determinations

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- Buffers
- Accessory Structures in the Flood Plain
- General Permits
- Flood Plain Compensatory Storage
- Wetland Mitigation
- Modeling
- ◆ NPDES Annual Report

Provided comments on DuPage County's website with a blog for the update of the DuPage County Countywide Stormwater and Flood Plain Ordinance and submitted final comments on behalf of the Village. The Village Engineer was also an active participant on the DuPage Mayors & Managers Conference Review Group of the Ordinance update. The Village Manger and Engineer attended the DuPage Mayors & Managers Conference Business Meeting where DuPage County gave a presentation on the process of updating the DuPage County Countywide Stormwater and Flood Plain Ordinance.

Two easements were approved during the reporting period, one being part of a plat of subdivision.

E.4: Pre-construction Review of BMP Designs

Goals

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

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

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

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Year 8 of NPDES Permit No. ILR400308

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

Year 1 Milestones

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.

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 approved a professional engineering contract for review of storm water management permit submittals with pre and post construction BMPs.

The Village and its storm water plan review consultant held 36 pre-application and plan review meetings with developers and their engineers to provide direction on storm water permit submittal requirements.

Reviewed and issued 12 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.

Year 1 Milestones

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.

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Year 8 of NPDES Permit No. ILR400308

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

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
 - Stormwater Management Permit Inspections – Professional Engineering Services for pre and post construction BMP monitoring.
 - Pasquinelli’s Central Park Pond Remediation Project
- ◆ Project Acceptances with BMPs
 - West Street/Gundersen Drive Reconstruction Project
 - President Manor Townhomes Subdivision

All construction sites were inspected for soil and erosion control and BMPs in 2010. A previously created inspection log was integrated into a database to track and document inspections.

The following training sessions were attended:

- ◆ Best Management Practices Effectiveness Technical Workshop – 1 Engineering Employee
- ◆ NPDES Phase II – How to Achieve Compliance Within Budget – 1 Engineering Employee
- ◆ Green Infrastructure Panel Discussion – 1 Engineering Employee
- ◆ Where are we with our Stormwater Practices? – 1 Engineering Employee
- ◆ IEPA’s MS4 Permit: BMP Options and Considerations – 1 Engineering Employee

Four Engineering employees previously completed 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.

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Year 8 of NPDES Permit No. ILR400308

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

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

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 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
 - Stormwater Management Permit Inspections – Professional Engineering Services for pre and post construction BMP monitoring.
 - Pasquelli’s Central Park Pond Remediation Project
- ◆ Project Acceptances with BMPs
 - West Street/Gundersen Drive Reconstruction Project
 - President Manor Townhomes Subdivision

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

The Village investigated and resolved the following issues of storm water management facilities with BMPs:

- ◆ Several encroachments into the detention basin located in the Brookstone subdivision – Property owners in the process of removing encroachments
- ◆ Village retention basin on Tubeway Drive failing to pump down – Village used auxiliary pumps to pump down the basin, removed overgrown invasive plant material and stabilized basin with seed mixture
- ◆ Private retention basin at 250 S. Gary Avenue failing to pump down – Property management company fixed bypassing problem
- ◆ Private pond shoreline native prairie buffer area failed to establish proper vegetation – Village hired consultant/contractor to remediate the shorelines.

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

- ◆ Village retention basin outfall clogged with trees from beavers – Outfall debris was removed and the beavers are being trapped

The following training sessions were attended:

- ◆ Illinois Green Infrastructure Grant Program – 1 Engineering Employee
- ◆ Sustainable Roadways: Funding for Today & Tomorrow – 1 Engineering Employee
- ◆ Green Pavement Material – Warm Mix Asphalt – 1 Engineering Employee
- ◆ Green Infrastructure Panel Discussion – 1 Engineering Employee
- ◆ Sustainable Stormwater Management Concepts – 2 Engineering Employees
- ◆ Small-Scale & Large-Scale Green: Two Approaches – 2 Engineering Employees
- ◆ Creating Green Infrastructure – 1 Engineering Employee
- ◆ Stearns Road: Developing an Environmental Corridor – 1 Engineering Employee
- ◆ IEPA's MS4 Permit: BMP Options and Considerations – 1 Engineering Employee
- ◆ Porous Asphalt Pavement – 1 Engineering Employee

POLLUTION PREVENTION/GOOD HOUSEKEEPING

F.1: Employee Training Program

Goals

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

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

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

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

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

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

Year 2 Milestones

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.

Summary of Accomplishments

The following training sessions were attended:

- ◆ Best Management Practices Effectiveness Technical Workshop – 1 Engineering Employee
- ◆ Cured-In-Place-Pipe (CIPP) – 1 Engineering Employee
- ◆ Illinois Green Infrastructure Grant Program – 1 Engineering Employee
- ◆ Sustainable Roadways: Funding for Today & Tomorrow – 1 Engineering Employee
- ◆ Green Pavement Material – Warm Mix Asphalt – 1 Engineering Employee
- ◆ NPDES Phase II – How to Achieve Compliance Within Budget – 1 Engineering Employee
- ◆ Green Infrastructure Panel Discussion – 1 Engineering Employee
- ◆ Sustainable Pipeline Design – Trenchless Installation & Rehab. – 1 Engineering Employee
- ◆ Innovative Repair for Leaking Interceptor Sewer – 1 Engineering Employee
- ◆ Complete Streets: It's More Afraid of You – 2 Engineering Employees
- ◆ Sustainable Stormwater Management Concepts – 2 Engineering Employees
- ◆ Small-Scale & Large-Scale Green: Two Approaches – 2 Engineering Employees
- ◆ Creating Green Infrastructure – 1 Engineering Employee

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

- ◆ Impact of ITS on Roadway Design – 1 Engineering Employee
- ◆ Stearns Road: Developing an Environmental Corridor – 1 Engineering Employee
- ◆ LPC-633, Uncontaminated Soil Certification. What's New! – 1 Engineering Employee
- ◆ Where are we with our Stormwater Practices? – 1 Engineering Employee
- ◆ Chloride Usage Education and Reduction Program Update – 1 Engineering Employee
- ◆ Polycyclic Aromatic Hydrocarbons in Urban Runoff – Sources, Sinks and Treatment: A Review – 1 Engineering Employee
- ◆ Development of a Restorability Identification and Prioritization Tool for the Upper DuPage and Salt Creek Watersheds – 1 Engineering Employee
- ◆ West Branch Basin Survey 2009 – 1 Engineering Employee
- ◆ Street Sweeping as a Method to Reduce Surface Water Pollution – 1 Engineering Employee
- ◆ Churchill Woods Dam Modification Project – 1 Engineering Employee
- ◆ State of Illinois 303 (d) List – 1 Engineering Employee
- ◆ IEPA's MS4 Permit: BMP Options and Considerations – 1 Engineering Employee
- ◆ Stream Dissolved Oxygen Continuous Monitoring – 1 Engineering Employee
- ◆ Stream Dissolved Oxygen Improvement Feasibility Study for East Branch of the DuPage River – 1 Engineering Employee

Village Staff is an active member of the DuPage River/Salt Creek Workgroup (DRSCW) which meets regularly and has performed the following educational activities:

- ◆ Speaking engagements and presentations included:
 - Chloride Usage Education and Reduction Program Report
 - Where are we with our Stormwater Practices?
 - How to Prepare a Third-Party TMDL for the EPA
 - The DRSCW; A Local Watershed Approach for Salt Creek and the East and West Branches of the DuPage River
 - What are we Learning About Commonly Used Stormwater Practices?
 - Polycyclic Aromatic Hydrocarbons in Urban Runoff – Sources, Sinks and Treatment: A Review
 - Illinois Green Infrastructure Grant Program
 - Development of a Restorability Identification and prioritization Tool for the Upper DuPage and Salt Creek Watersheds
 - Street Sweeping as a Method to Reduce Surface Water Pollution
 - Elgin Sweepers Performance Study
 - Churchill Woods Dam Modification Project
 - IEPA's MS4 Permit: BMP Options and Considerations
 - Beyond the Basics: Green Infrastructure for Clean Water, 2010
 - Chloride Usage Education and Reduction Program Public Roads – Calibration and Storage Workshop
 - Chloride Usage Education and Reduction Program Parking Lot and Sidewalk Workshop
- ◆ The web site was updated with new reports and educational materials.
- ◆ A DRSCW Newsletter was produced and sent to all MS4 communities.

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

- ◆ 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. Chloride Fact Sheets have continued to be made available to various stakeholders.

The following educational notices were distributed:

- ◆ Public Roads Deicing Workshop
- ◆ Parking Lot & Sidewalk Deicing Workshop
- ◆ Flex Seal Utility Sealant
- ◆ Spill Response and Stormwater Management Program Plans

The Village's new "Environmental Web Portal" was updated. It contains a tremendous amount of information and numerous links on the Village's efforts toward addressing storm water quality issues and how residents can make an impact. They included the following:

- Added Goodwill Store to Resale Store page
- Added Jan Smith Park Volunteers to the Native Prairies, Wetlands and Ponds web page
- Modified Wright Recycling narrative per their request on the Scrap Metal page
- Updated Com2 Computer & Technologies new address and pick up information on the Computer Recycling page
- Updated Twice is Nice's hours of operation on the Resale Store page

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.

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Year 8 of NPDES Permit No. ILR400308

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

Carol Stream is currently employing both pre-wetting and anti-icing measures in its annual Snow Removal Plan. Pre-wetting salt and using an anti-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 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 2 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 maintenance operations were performed:

- ◆ The Village previously reduced the number of cleanings due to the low amount of catch basin sediment removed and the good condition of the storm sewer system.
- ◆ Public Works performed the repair or reconstruction of 4 pond inlets and 8 manholes.

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

- ◆ Carol Stream maintains approximately one hundred and eight miles of roadway. One of our two vacuum sweepers was eliminated due to financial constraints. This resulted in a 50% reduction in the Village's Street Sweeping Program. Roadways are now swept approximately four times per year. Last year the Village swept 2,229 curb miles of local roads collecting 1,118 cubic yards of debris.
- ◆ Performed over 3,789 Public Works man-hours on storm water management and expended an estimated \$115,000 on storm water maintenance and repair expenses.
- ◆ The Village did not perform any digital televising in 2010. Instead we initiated a Sanitary Sewer Flow Monitoring Program to improve our efficiency and effectiveness in first identify problem inflow and infiltration (I/I) areas. Once identified as a problem area more extensive investigations will be performed to locate sources, identify corrective measures and program projects.
- ◆ 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 150 parkway trees were installed or replaced while removing 55 diseased or dead trees. A report was prepared on how the Village was addressing the Cottony Maple Scale problem.
- ◆ Carol Stream continued our anti-icing and pre-wetting programs to reduce the Village's salt usage by using 18,317 gallons of brine. The Village also used 8,888 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.
- ◆ Required the use of weed pulling and a thick mulch bed in lieu of herbicides in landscaping contracts. Fertilization is not included in the contract and promoted water conservation.
- ◆ Required the use of "green" products in our janitorial contract.

Projects undertaken to replace, improve and rehabilitate the Village's storm water management and related infrastructure include:

- ◆ Updated our 20-Year Capital Improvements Program (CIP).
- ◆ 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. The design and ARRA bid modifications have been completed and the construction contract has been awarded.
- ◆ The West Street/Gundersen Drive Reconstruction Project was completed at a cost of \$821,489.94 and accepted. This project had to avoid wetlands and required the construction of a vegetated swale BMP.
- ◆ The Thunderbird Trail Bridge Deck Replacement Project was completed and accepted. This became an emergency project after significant deterioration was observed during the course of our bridge inspections requiring the closure of one lane. The Village obtained a \$100,000 Department of Commerce and Economic Opportunity (DCEO) grant to partially offset the \$141,231.59 project costs. Special precautions had to be incorporated into the design and contract documents to protect the floodway, flood plain, wetlands and riparian corridor.
- ◆ Performed wetland and pond shoreline monitoring and management on 14 Village owned ponds, wetlands and stream banks. Contract cost was \$24,618.
- ◆ Completed the first year of a three year project to remediate the naturalized retention basins in the Pasquinelli Central Park subdivision at a cost of \$18,950.

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

- ◆ A comprehensive Water Reclamation Center (WRC) Condition Assessment was performed that resulted in the identification of nine CIP projects in the WRC Facility Plan that was developed. Two contracts totaling \$149,000 were awarded to rehabilitate two sand filter cells.
- ◆ An analysis of the Village's Supervisory Control and Data Acquisition (SCADA) equipment was performed which resulted in an improvement project being programmed in the CIP.
- ◆ The Evergreen Sanitary Lift Station Replacement Project was completed and accepted at a final cost of \$282,944.40. This new lift station with a back-up power generator will greatly reduce the potential for sanitary sewer overflows during peak flows and power interruptions.

The Village investigated several storm water management facilities including:

- ◆ Unpermitted collapsed storm sewer in Charger Court Park
- ◆ Encroachments into the Brookstone detention basin
- ◆ Deteriorated CN Railroad culvert replacement
- ◆ Deteriorated culvert at Invensys
- ◆ Boa Trail storm sewer inspection
- ◆ Tubeway Drive and Westgate Drive storm sewer cleaning and televising
- ◆ Western Trails School collapsed storm sewer replacement
- ◆ Geneva Plaza overland flow routes
- ◆ Main Place storm sewer cleaning and televising
- ◆ Dearborn Circle clogged street drains and outfalls cleaned
- ◆ County Farm Road and Lies Road sewer cleaning

The following Geographic Information System (GIS) Implementation Project tasks were completed:

- ◆ Updated 134 maps with the latest DuPage County GIS layers, feature classes and geodatabases including new NAVD88 elevation data and assessment parcel data.
- ◆ Created and published the following Capital Improvement Program maps:
 - 2010 Water & Sewer Construction Projects Map
 - Thunderbird Trail Bridge Closure – Detour Map
 - Creek Flow Obstruction Maintenance Project Map
- ◆ Created and published the following maps:
 - Pond & Stream Sweep Maps
 - Public Works Storm Sewer Map
 - Public Works Sanitary Sewer Map
 - Public Works WRC Chlorine Leak Map
- ◆ Collected 2,234 utility coordinates utilizing GPS technologies.

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

Village Staff participated with the DuPage River/Salt Creek Workgroup (DRSCW) on the following inspection and maintenance related activities:

- ◆ Educational opportunities included:
 - West Branch Basin Survey 2009
 - Street Sweeping as a Method to Reduce Surface Water Pollution
 - Elgin Sweepers Performance Study
 - Churchill Woods Dam Modification Project
 - State of Illinois 303 (d) List
 - Stream Dissolved Oxygen Continuous Monitoring
- ◆ Monitoring efforts included:
 - Ambient chloride monitoring
 - Dissolved oxygen monitoring
 - Bioassessment sampling
 - Data analysis
 - Assessment reports
- ◆ West Branch DuPage River Survey Summary and Results – West Branch Technical Support Document
- ◆ 303 (d) list review comments
- ◆ While serving as Chair on the DRSCW Chloride Reduction Committee we accomplished the following tasks:
 - Provided educational opportunities which included: Chloride Usage Education and Reduction Program Report, Public Roads – Calibration and Storage Workshop, Parking Lot and Sidewalk Workshop.
 - Conducted a survey of public agencies to monitor changes in pre-wetting, de-icing, anti-icing, storage and non-chloride alternative practices.
 - Developed and published a Parking Lot Salt Application Rate Guidance to assist and educate private contractors on how to reduce salt usage, save money and protect the environment.
 - The web site was updated with new 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 which highlighted several chloride reduction efforts.
 - Continued ambient chloride monitoring.
 - Performed data analysis and assessments.
 - Prepared and published an annual report.
- ◆ The Village Engineer was a participant on the DRSCW Projects Committee. This committee developed an Integrated Priority System (IPS) that will be used to identify, prioritize and recommend various water quality improvement projects by objective criteria.
- ◆ Drafted proposed legislation to fund Stormwater quality improvement projects through IEPA NPDES fees.

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

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 2 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 volunteers with stenciling 592 storm drain inlets with the message "Dump No Waste Drains To Stream".
- ◆ Carol Stream's Adopt-A-Highway Program utilized numerous volunteers from 6 organizations. They performed 12 cleanings removing trash from roadways that could've otherwise entered our streams and ponds.
- ◆ Ran eight aerators that provided oxygen to six different ponds.
- ◆ Performed over 3,789 Public Works man-hours on storm water management.
- ◆ Expended \$115,000 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 eleven sanitary sewer overflows (SSOs) or basement backups, ten being the home owners responsibility.
- ◆ Carol Stream now has 41 biodiesel and 24 E85 vehicles in its fleet.
- ◆ The Village recycled the following quantities of waste:

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

- Motor Oil 1,255 Gallons
- Oil Filters 836 Filters
- Paper & Plastic 2.5 Cubic Yards
- Scrap Metal 4,400 Pounds
- Vehicle Batteries 10 Batteries
- ◆ 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 2.07 Billion gallons last year.

A contract for the Sanitary Sewer System Flow Monitoring Project was awarded and monitors were installed to begin monitoring sanitary sewer flows in high target basins. The results of the flow monitoring will help staff locate areas of significant infiltration and inflow (I/I) which will be further investigated to identify and prioritize remediation projects. The ultimate goal is to reduce the I/I thereby reducing sanitary sewer overflows and incidences of noncompliance (ION) at the Water Reclamation Center (WRC).

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. The Village conducted an Earth Day Community Recycling Event on Saturday, May 8, 2010 where 19,125 pounds of electronics were collected, all for recycling.

The Village’s Rx Box Program collected 1,104 lbs. of drugs and medical supplies.

A total of 3,032 lbs. of holiday lights were collected for recycling yielding 303 lbs. of industry-grade copper. The entire proceeds were donated to the Village’s Christmas Sharing Program.

The Village held its annual Pond & Stream Sweep on Saturday, May 22nd. Sixty eight volunteers removed 2,460 lbs. of trash and debris from 11 miles of shorelines along 17 ponds and stream sections. 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 Village conducted another separate event on October 9th, the Klein Creek & Thunderbird Creek Clean Up. Forty three volunteers removed 25 truck loads of flow obstructions from 8,000 feet of stream banks. In addition 12,000 feet of stream banks were inventoried for a contract to removal the larger obstructions.

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.

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 2 Milestones

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:

- ◆ Modeling requirements for minor excavations in the floodway.
- ◆ Flood response efforts.
- ◆ Community audit sequencing.

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- ◆ ILR40 audit discussions.
- ◆ Paneling change of DuPage County regulatory flood map.
- ◆ Update of the DuPage County Countywide Stormwater Management and Flood Plain Ordinance discussing numerous topics including:
 - Impervious Area as a Determination for Detention
 - Water Quality Control Volume
 - Substantial Damage/Improvement Determinations
 - Buffers
 - Accessory Structures in the Flood Plain
 - General Permits
 - Flood Plain Compensatory Storage
 - Wetland Mitigation
 - Modeling
- ◆ 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.

The following training sessions were attended:

- ◆ Real Time Data and Operations at Stormwater Management Facilities – 1 Engineering Employee
- ◆ Managing Flood Plain Development Through the NFIP – 1 Engineering Employee
- ◆ Natural Hazard Mitigation Program – 1 Engineering Employee

The Village prepared processes and procedures to identify and track substantial improvements and damages of structures located in the FEMA regulatory flood plain. A training session was prepared and conducted with three Engineering and five Community Development employees in attendance.

After the July 2010 flood Engineering was integral in improving our response to the disaster. Some initiatives taken include:

- ◆ Prepared the Storm Response Report and assisted with the preparation of the Flood After Action Report and Improvement Plan.
- ◆ Helped organize and participated in the Disaster Response Committee meetings.
- ◆ Two Emergency Disaster Preparedness educational meetings were held.
- ◆ Responded to numerous request from flood victims for information, disaster relief funding, flood control, emergency response, flood warnings, etc. Provided informational documents, links, updates and contacts on the Village's web site.
- ◆ Created a Substantial Damage and Improvement Determination Database to better track data used to make these FEMA required determinations.
- ◆ Worked with DuPage County, Park District and residents to obtain funding for the Klein Creek Flood Control Project through numerous meetings, conversations, letters and emails.

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- ◆ 12,000 feet of Klein Creek and Thunderbird Creek were inventoried for future removal of large flow obstructions.
- ◆ Finalized the IEMA Hazard Mitigation Grant Program (HMGP) Local Assistance Agreement with IEMA for the Klein Creek Flood Plain Structure Buyout Project.
- ◆ Provided input into DuPage County's Klein Creek Flood Watershed Study & Flood Control Plan – Addendum 2. Reviewed the Addendum and provided review comments to DuPage County.
- ◆ Coordinated the first volunteer clean up and removal of flow obstructions from Klein Creek and Thunderbird Creek. A total of 43 volunteers cleaned over 8,000 feet of the stream banks removing 25 truck loads of debris causing flow obstructions.
- ◆ Completed the Village's first Klein Creek and Thunderbird Creek Debris and Obstruction Removal Project where over 140 flow obstructions with over 430 trees were removed from the stream.
- ◆ Fourteen members of the Village's Crisis Emergency Response Team (CERT) cleaned storm drains in the original section of Carol Stream where flooding is still a concern.
- ◆ Stabilized the sedimentation in the bottom of the Tubeway Drive retention basin.
- ◆ Identified and budget several watershed studies that will analyze the flooding in three areas of the Village and provide recommended solutions.
- ◆ Researched and identified components for a flood forecast warning system that was included in the CIP. Worked with DuPage County to fund modeling for a flood forecast warning system.
- ◆ Attended DuPage County's Office of Homeland Security's workgroup meeting for the update of the Natural Hazard Mitigation Plan.

Carol Stream applied for grant funding from FEMA through the Hazard Mitigation Grant Program (HMGP), DuPage County Flood Plain Buyout Program and from Department of Commerce and Economic Opportunity (DCEO) through 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 and \$758,640 from FEMA. An informational meeting on the HMGP process steps was held with the homeowners.

Created and published the following GIS maps:

- ◆ Observed High Water Mark Location Map
- ◆ Street Flooding Map
- ◆ Flood Plain Properties Map
- ◆ Buildings in the 100 Year Flood Plain Map

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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 2 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 paneling change of their Regulatory Flood Map.

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

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As stated in our NOI the following are activities that the Village of Carol Stream will undertake during year three 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

Carol Stream will continue to adopt the Storm Water Ordinance as it is updated by DuPage County to keep up with local and national regulations while implementing appropriate best management practices to lower quantities of pollutants from ending up in out waterways and drinking water. 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

Ensure staff has professional ability and appropriate certifications (when necessary) to review and inspect the guidelines of the BMP Manual. Continue to educate staff on the evolving regulations by attending training programs and seminars.

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D.4: Site Plan & Review Procedures

Carol Stream will offer staff the ability to attend training seminars or workshops where they will be able to review and learn new methods of their evolving fields.

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

Carol Stream will offer staff the ability to attend training seminars or workshops where they will be able to review and learn new methods of their evolving fields.

E.3: Long Term O&M Procedures

Continue to enforce the Storm Water Ordinance and accept storm water management and conveyance easements and wetland conservation easements.

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E.4: Pre-construction Review of BMP Designs

Perform plan reviews in conformance with the new BMP Manual requirements. Carol Stream will offer staff the ability to attend training seminars or workshops where they will be able to review and learn new methods of their evolving fields.

E.5: Site Inspections During Construction

Continue performing site inspections on all developments that have been issued a storm water permit for soil and erosion control and post construction BMPs. Continue to offer employees the ability to attend training on site inspections of BMPs.

E.6: Post Construction Inspections

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. Continue to offer employees the ability to attend training on site inspections.

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

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

CONSTRUCTION PROJECT LIST

None of the following construction projects required an IEPA Construction ILR10 permit. However, some required a DuPage County Stormwater management permit and all required soil erosion and sedimentation control measures.

Location	Start Date Est. Comp. Date Description
Evergreen Lift Station Replacement Project	2/2009 3/2011 Total replacement of the sanitary sewer lift station, landscaping and site restoration.
West Street & Gundersen Drive Reconstruction Project	8/2009 6/2010 Total street reconstruction with storm sewer additions, curb and gutter, under drains, ditch regrading, restoration and BMP installation.
Thunderbird Trail Bridge Deck Replacement Project	6/2010 11/2010 Replacement of the original bridge deck and pavement.
Tubeway Stormwater Lift Station Replacement Project	10/2010 10/2011 Total replacement of the storm sewer lift station, landscaping and site restoration.
Klein Creek Flood Plain Structure Buyout Project	12/2010 4/2012 Purchase and demolish four repetitive flood damaged structures and Restore site to permanent open space.