

**B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.**

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

**Best Management Practices:**

**BMP No. A1-Distributed Paper Material, A2-Speaking Engagement, A3-Public Service Announcement, A4-Community Event, A5-Classroom Education Material.**

**Measurable Goal(s), including frequencies:**

The County of DuPage has developed a general education and outreach program in which we participate as stated above that encompasses storm water and water quality efforts that will target several large groups of stakeholders within the watershed such as: youths, technical audiences, landowners, and recreational users. This program has the goals of: increasing the awareness and appreciation of a watershed community that will result in a lasting change in behavior; show how the protection and enhancement of the quality, quantity, and availability of surface and groundwater resources will preserve and enhance the health of existing aquatic and riparian environments as well as the quality of life; and establish the necessary resources to support the development and distribution of educational materials throughout the County of DuPage.

**Uncompleted Milestones in First Permit Cycle:**

All milestones were met.

**Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Distributed and made the following informational material available:
  - *Your Wetland Resource How we care for it How you can help* – Christopher B. Burke Engineering, Ltd.
  - *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
  - *Storm Drain Stenciling – The Conservation Foundation*
  - *Top Ten Things You Can Do To Reduce Global Warming*
  - *Chloride Usage Education and Reduction Program Fact Sheets* – DuPage River Salt Creek Workgroup
  - *DuPage County River Sweep* – The Conservation Foundation
  - *Mulch* – DuPage County Department of Environmental Concerns

- *Living with Canada Geese in DuPage County* – Forest Preserve District of DuPage County
- *Together we can control mosquitoes and enjoy the great outdoors* – Clarke Mosquito Control
- *Nature Friendly Yard* – The Conservation Foundation
- *DuPage County 2004 – 2005 Recycling Guide* – DuPage County
  - ◆ *Automotive Products*
  - ◆ *Appliances*
  - ◆ *Batteries (Rechargeable)*
  - ◆ *Books*
  - ◆ *Carpet Recycling*
  - ◆ *Cellular Phones*
  - ◆ *Construction and Demolition Debris*
  - ◆ *Construction and Demolition Reuse Opportunities*
  - ◆ *Electronics*
  - ◆ *Fluorescent Lamp Recycling*
  - ◆ *Heating Oil Tank Removal*
  - ◆ *Household Hazardous Waste*
  - ◆ *Latex Paint Management*
  - ◆ *Propane Tanks & Fire Extinguishers*
  - ◆ *Recycling Drop-Off Centers*
  - ◆ *Resale & Reuse*
  - ◆ *Scrap Metal*
  - ◆ *Sharps/Needle Disposal*
  - ◆ *Tires*
  - ◆ *Yard Waste*
- *COM2 Computers & Technology* – Purchases used computers and laptops
- *Glen Ellyn Recycle Extravaganza* – Village of Glen Ellyn
- *Do You Have Unwanted Latex Paint* – DuPage County Public Works
- *Free Recycled Latex Paint* – DuPage County Public Works
- *2008 Household Hazardous Waste Collection Event* – DuPage County & IEPA
- **Published the following Correspondent News articles:**
  - *Mercury Contamination ALERT Recycle Compact Fluorescent (CFL) Light Bulbs*
  - *Earth Day & Recycling Events*
  - *Arbor Day Recycling Event Shreds Light on Identity Theft*
  - *Yard Waste Pick Up Resumes April 7th Collection Week*
  - *Cell Phone Battery Drop Off Locations*
  - *Emerald Ash Borer and Ash Trees in Carol Stream*
  - *Watering Restrictions*
  - *Mosquito Control & West Nile Virus Infection Protection*
  - *Recycling Toters Must be Screened Properly*
  - *Emerald Ash Borer (EAB): Know the Facts on Insecticidal Spray Treatment*
  - *West Nile Virus (WNV) Infection Protection*
  - *Village Launches Environmental Web Portal*

- *Used Tire Recycling Event*
- *Buying Green Cleaning Products*
- *12 Ways to Green*
- *Latex Paint Recycling Drop Off*
- *DuPage Organic Garden Club Hosts Yard Tours*
- *Fall Leaf Disposal News*
- *Household Hazardous Waste Collection Event Scheduled for Sat., Oct. 25th*
- *Environmental Web Page Chock Full of Important Information*
- *Multifamily/Apartment recycling on the Rise*
- *Residential Recycling Update*
- *Holiday Tree, Wreath & Bough Collection*
- *Attend the WRC Open House*
- *Switch to Digital TV Programming Nears – What to Do with My Old TV?*
- *Consumer Electronics Product Stewardship*
- *Backyard Composting Helps Reduce Yard Waste Disposal Costs*
- *Village Presented with an Earth Flag*
- *Environmental Web Page Full of Information*
- *Eco-Friendly Snow Removal Service*
- *Cell Phone Recycling*
- *Fall Household Hazardous Waste Collection Event a Huge Success*
- *4 R's: Reduce, Reuse, Recycle & Rethink*
- *In a Flood Plain? Know the 50% Rule*
- *2009 Residential Refuse Collection Rates – White Goods FREE*
- *Consider Becoming a Member of the DuPage Organic Garden Club*
- *Mayor's Letter – Greenest Regions Compact of Metropolitan Chicago, Recycling Toter Program, Pre-Wetting Deicers, Anti-Icing Program, Storm Drain Stenciling Project, Flood Damage Response, Environmental Web Portal and Environmental Stewardship*
- **Published several Village Happenings news letter articles on:**
  - *DuPage County Hosts Household Hazardous Waste Collection Event on Sat., May 3rd*
  - *Kane County Hosts Household Hazardous Waste Collection Event on Sat., May 17th*
  - *Free Holiday Tree, Wreath & Bough Collection Ends Friday, January 16th*
  - *2009 Residential Refuse Collection Rates – White Goods FREE*
  - *Free Leaf Pick-Up*
  - *Village Hosts Household Hazardous Waste Collection Event on Saturday, October 25th*
  - *Local Recycling Educator to Host an Environmental Workshop on Thu., May 29th @ Library*
  - *6-Week Fall Leaf Sticker Use Period Continues Through November 21st*
- **The following article was published in the Chamber Connection:**
  - *"Sustainability" and Business*

- The following speaking engagements were conducted:
  - Presented a seminar on “BMPs Maintenance Strategies” at The Conservation Foundation’s “Beyond the Basics: Integrating Conservation into our Communities” seminar.
  - 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.
  - On January 19, 2009 the Village held a meeting with representatives from DuPage County where they presented information on flooding in Carol Stream and addressed issues concerning flood and erosion control studies and projects.
  - The Village conducted a Disaster Preparedness Workshop on February 19, 2009 for residents living in the flood plain and provided them with information on storm water issues, flood procedures and regulations.
- Distributed the following News Releases:
  - *Make Ever Day Earth Day*
  - *Earth Day Trails Cleanup – The Friends of the Great Western Trail*
  - *Earth Day Community Recycling Event – Village of Carol Stream*
- Prepared numerous News Releases that included:
  - *Village of Glen Ellyn Hosts Annual Recycling Extravaganza on Sat. April 26th*
  - *Mobile Household Hazardous Waste Collection Event Scheduled for Sat., May 3rd*
  - *Mobile Household Hazardous Waste Collection Event Scheduled for Sat., May 17th*
  - *Mobile Household Hazardous Waste Collection Event Scheduled for Sat., October 25th*
  - *6-Week Leaf Sticker Use Period Continues Thru Nov. 17th Collection Week*
  - *6-Week Leaf Sticker Use Period Continues Thru Nov. 21st*
  - *Free Fall Leaf Pick-Up Scheduled for Nov. 24th Collection Week*
  - *Free Fall Leaf Pick-Up Scheduled for Nov. 24th - 24th Collection Week*
  - *Holiday Tree & Wreath Collection Schedule*
  - *2008 Pond & Stream Sweep Clean Up Effort Set for Sat., June 7th*
  - *Help Reduce Mosquito Breeding Sites to Control for West Nile Virus*
  - *Village to Host Ceremonial Tree Planting as Part of Arbor Day Celebration*
- Local newspaper articles:
  - *Carol Stream earns Earth Flag*
  - *Two towns get grants*
  - *Illinois bets on recycling programs*
  - *Carol Stream recognized for conservation efforts*
  - *Clubs to combine ‘green’ efforts*
  - *County steps up to stop flooding*
  - *Hazardous waste to be collected in Carol Stream*
  - *Village planning response to next flood*
- Water billing messages:
  - *1 – Day Household Hazardous Waste Collection Event*

- The Village Board adopted the following proclamations:
  - *Declaring Tuesday, April 22, 2008 Earth Day In Carol Stream*
  - *Proclamation Arbor Day April 25th*
- The Village held the following community events:
  - The Village held its annual Pond & Stream Sweep on Saturday, June 7th. Twenty five volunteers removed over 1,000 lbs. of trash and debris from 3 miles of shorelines along 5 ponds. At this event storm water educational material is provided to all the volunteers (Living Along A Shoreline Or Stream Bank – How The Village Maintains These Valuable Areas & What You Can Do To Help).
  - Conducted another separate clean up where a volunteer performed community service work by cleaning up garbage along Klein Creek and around the Jay Stream pond.
  - The Village assisted Scout Troop 98 with stenciling 300 storm drains with the message “Dump No Waste Drains To Stream” on Saturday and Sunday August 8th and 9th.
  - At six Summer In The Center concert events the Village gave away six rain barrels and composters. Educational literature was provided for the rain barrels and composters.
- Some other public education accomplishments include:
  - Created the Village’s Environment Web Portal that contains 60 web pages and 92 external links providing information on a variety of storm water quality topics. It also illustrates the Village’s efforts toward environmental stewardship and suggestions for residents and businesses on how they can make an impact.
  - The Village also created a Storm Water Information web page where residents can access information on storm water management issues, studies, projects, programs, meetings and events.

### **BMP No. B.3-Stakeholder Meeting**

#### **Measurable Goal(s), including frequencies:**

The municipal engineers and water quality stakeholder committee will meet on a regular basis to review and discuss program development as it pertains to Appendix J of the DuPage County Stormwater Management Plan and the Federal Mandates such as the National Pollutant Discharge Elimination System (NPDES) Phase II and total maximum daily loads (TMDLs). This may include ordinance, best management practice, water quality or other relevant discussions. The committee will evaluate the most efficient and practicable methods of meeting the six minimum control measures of the NPDES Phase II by developing Local Qualifying Programs and overseeing their implementation.

#### **Uncompleted Milestones in First Permit Cycle:**

Finalize pollution prevention and illicit discharge detection and elimination program/procedures through working group. Assist if necessary the formal

adoption process for any Ordinance and Technical Guidance revisions. Present pollution prevention and illicit discharge detection and elimination program/procedures to the DuPage County Stormwater Management Committee and DuPage Mayors and Managers Conference as necessary for comment responses. Begin implementation of pollution prevention and illicit discharge detection program/procedures.

**Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Provided input at Municipal Engineers Conference and Storm Water Quality Stakeholder Committee meetings to DuPage County's consultant, EarthTech, in developing the Illicit Discharge Detection and Elimination Program. The consultant group Earth Tech will provide assistance in implementing the Illicit Discharge Detection and Elimination Program/Guidance Manual. Earth Tech will provide assistance with the preparation of the "Technical Guidance" document portion of the DuPage County IDDE plan and technical guidance document. The technical guidance document will include sections on outfall screening procedures, investigation procedure, and procedures for disconnection of identified illicit discharges and information on monitoring methods, outfall prioritization, tracing procedures, and sample data collection forms. Earth Tech will assist DuPage County staff with the preparation of four additional chapters (Storm Sewer Chapter, Administration Chapter, Regulatory Requirement Ordinance Chapter, and Public Education and Outreach Involvement Chapter) and four appendices (Budget, Outfall Sampling Forms, Table of Community Responsibilities) to be included with the complete IDDE plan document. In addition this agreement includes incorporation of review comments provided by DuPage County staff, and progress meetings to assist in the progression of the plan and development stages of the Illicit Discharge Detection and Elimination Program. Processes and procedures were developed through the consultant and the workgroup.
- The IDDE Ordinance was completed and presented to the Storm Water Management Committee for public review and comment through the Municipal Engineers Conference. The Village will adopt DuPage County's IDDE Ordinance upon approval by the DuPage County Board.
- DuPage County began monitoring outfalls to initiate the IDDE Program.
- A model intergovernmental agreement (IGA) was written. A final IGA with DuPage County will be formalized upon Board approval of the IDDE Ordinance set to occur in May 2009.
- Village Staff regularly attended and participated in the monthly Municipal Engineers Conference meetings. At these meetings DuPage County and municipal engineers discuss and make recommendations to the DuPage County Storm Water Committee on issues related to the DuPage County Countywide Stormwater Management and Floodplain Ordinance.

- Village Staff have also attended the DuPage County Storm Water Quality Stakeholders' Committee meetings to discuss issues related to NPDES Phase I. The Committee makes recommendations to the Municipal Engineers Advisory Group on how to meet the six minimum control measures of the NPDES Phase II rule.
- The Village is a dues paying member of the DuPage River/Salt Creek Workgroup (DRSCW) which meets regularly to discuss and address TMDL issues. Staff participates with other municipal Engineers, Public Works Directors, POTWs, IEPA and various environmental groups.
- Village Staff has participated on a DRSCW subcommittee for the Chloride Usage Education & Reduction Study. Led this subcommittee in implementing chloride reducing strategies through monitoring and education. This subcommittee accomplished the following:
  - Prepared and distributed Chloride Fact Sheets, Deicing Alternative Products Summary and DRSCW Newsletter articles.
  - Monitored ambient chloride levels at six locations in the Salt Creek, East and West Branches of the DuPage River.
  - Made presentations at the DRSCW meetings, DM&MC Regulatory Issues Committee meeting, WEFTEC Conference.
  - Conducted the De-icing Program Seminar

#### **BMP No. B.4-Public Hearing**

##### **Measurable Goal(s), including frequencies:**

As new updates to the DuPage County Stormwater Management Plan are developed there will continue to be public hearings in which the public will have an opportunity to voice their comments and suggestions.

##### **Uncompleted Milestones in First Permit Cycle:**

All milestones were met.

##### **Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Adopted the revised DuPage County Countywide Stormwater and Floodplain Ordinance on June 2, 2008. Ordinance No. 2008-06-26.
- Adopted an ordinance Establishing a Fee in Lieu of Best Management Practices Program. Ordinance No. 2008-06-25.
- On January 19, 2009 the Village held a meeting with representatives from DuPage County where they presented information on flooding in Carol Stream and addressed issues concerning flood and erosion control studies and projects.
- The Village conducted a Disaster Preparedness Workshop on February 19, 2009 for residents living in the flood plain and provided them with information on storm water issues, flood procedures and regulations.

- Staff reviewed and the Village approved 7 plats of subdivision for storm water management and conveyance easements and conservation easements as well as 1 plat of easement grant.
- The Village Board accepted three subdivisions.
- At the October 6, 2008 Listening Post residents were given the opportunity to present storm water management concerns and questions regarding flooding, erosion and pollution.
- Processed resolutions for the creation of stormwater management and conveyance easements as well as wetland conservation easements.
- Reviewed various stormwater variance requests and provided comments.

### **BMP No. B.5-Volunteer Monitoring**

#### **Measurable Goal(s), including frequencies:**

The volunteer monitoring group will select appropriate sites in all impaired watersheds throughout DuPage County and conduct training through The Conservation Foundation and Chicago Wilderness to make data available through the IDNR INRIN database. This database may be used to draw correlations and trends on the improvements to the impaired watersheds in DuPage County.

#### **Uncompleted Milestones in First Permit Cycle:**

All milestones were met.

#### **Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Village had 25 Pond & Stream Sweep volunteers removed over 1,000 lbs. of trash and debris from 3 miles of stream banks and pond shorelines.
- Carol Stream's Adopt-A-Highway Program utilized numerous volunteers from 8 organizations. In 2008 they performed 20 cleanings removing trash that could've otherwise entered our streams and ponds.
- Maintained illegal dumping signs.
- The Village conducted a paper and electronics recycling event on Saturday, April 26<sup>th</sup> where approximately 180 vehicles transported in an estimated 4,000 ponds of paper and 12,463 pounds of electronics for recycling.
- The Village conducted a Fall Hazardous Waste Collection event where we collected and disposed of:
  - 220 Gallons of Pharmaceuticals
  - 10,615 Gallons of Toxic Waste
  - 3,052 Gallons of Adhesives and Sealers
  - 1,100 Gallons of Motor Oil
  - 2,035 Gallons of Poisons/Pesticides
  - 1,650 Gallons of Paint



- 270 Gallons of Batteries
- 158 Car/Truck Batteries
- 160 Propane Tanks
- Served on the DRSCW where we:
  - Continued with a comprehensive stream monitoring program for all three watersheds (Salt Creek, East and West Branches of the DuPage River) in DuPage County. The program included dissolved oxygen (DO) monitoring as well as biological and habitat assessment. Added winter monitoring for conductivity for chlorides on all three watersheds. Obtained another grant and fees for the continuation of this program.
  - Continued with the Dissolved Oxygen Improvement Feasibility Study that will monitor DO and obtain SOD, BOD5, TSS, nitrogen series and total phosphorus data. The goal is to make recommendations to improve DO levels on the East Branch and Salt Creek in response to an IEPA TMDLs.
  - Served on the Committee that oversaw the completion of the Chloride Usage Education & Reduction Study and began implementation. An implementation plan was prepared as was a contract. Draft educational fact sheets were also prepared. Developed and implemented an in-stream chloride monitoring program in all three watersheds.
  - Continued with obtaining financial commitments from numerous municipalities and agencies for the development of this program and the implementation of other projects.

**BMP No. C.1-Storm Sewer Map Preparation, C.2-Regulatory Control Program, C.3-Detection/Elimination Prioritization Plan, C.4-Illicit Discharge Tracing Procedures, C.5-Illicit Source Removal Procedures, C.6-Program Evaluation and Assessment.**

**Measurable Goal(s), including frequencies:**

Develop illicit discharge detection and elimination (IDDE) procedures with the above working group that will map all storm sewer outfalls; determine proper procedures to detect illicit discharges as well as procedures for elimination of discharges; possible inclusion in ordinances (where appropriate) to prohibit non-storm water discharges into the storm sewer system and have appropriate enforcement procedures; and evaluation of monitoring procedures.

**Uncompleted Milestones in First Permit Cycle:**

With database of all known storm sewer outfalls determined, develop the monitoring program utilizing water quality information from other agencies that will establish a prioritization plan for detection and elimination efforts. Evaluate possible funding sources for detection and elimination plan. Determine appropriate number of outfalls to be monitored throughout the year. Inclusion of illicit discharge information into education program for industrial and homeowner target audiences.

### **Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Through participation in the Municipal Engineers Conference, DuPage County hired Earth Tech to provide assistance in designing the IDDE Program. The IDDE plan consists of four chapters (Storm Sewer Chapter, Administration Chapter, Regulatory Requirement Ordinance Chapter, and Public Education and Outreach Involvement Chapter) and four appendices (Budget, Outfall Sampling Forms, Table of Community Responsibilities, and the Technical Guidance Manual). The technical guidance manual includes sections on outfall screening procedures, investigation procedure, and procedures for disconnection of identified illicit discharges and information on monitoring methods, outfall prioritization, tracing procedures, and sample data collection forms. The plan is substantially complete and DuPage County has begun monitoring of prioritized outfalls and tracing any detected illicit discharges. Upon notification of the illicit discharge source the Village will then begin enforcement and possible education proceedings to eliminate the illicit discharge.
- Although the Village developed a backup IDDE Program it wasn't initiated once the Village decided to partner with DuPage County's efforts where they will perform the monitoring and tracing. The Village will be responsible for enforcement and education. This will be formalized in the IGA and the Village will use DuPage County's educational materials. The Village was not notified of any illicit discharges having occurred in Carol Stream.
- Worked with the Municipal Engineers Conference on the preparation of a final IDDE ordinance. This Ordinance is going through its Public Review Comment period and should be approved by the County in May of 2009. This will then allow the Village to adopt its companion ordinance and enter into an intergovernmental agreement with DuPage County.
- The Village collected over 2,500 GPS coordinates of our storm water map features.
- Carol Stream has uploaded DuPage County storm water maps and GIS data into our GIS files for use and dissemination.
- Updated the Village's Storm Sewer Outfall Map.
- A draft GIS Information Sharing Agreement has been prepared.
- One employee attended the Municipal Engineers Conference presentation: NGVD 29 Conversion to NAVD 88.
- One employee attended the APWA GIS and Public Works seminar.
- One employee attended a presentation on High Definition Surveying (HDS) Technology.

**BMP No. D.1-Regulatory Control Program, D.2-Erosion and Sediment Control BMPs, D.4-Site Plan Review Procedures, D.5-Public Information Handling Procedures, D.6-Site Inspection/Enforcement Procedures.**

**Measurable Goal(s), including frequencies:**

Review Appendix F and the accompanying Technical Guidance to see that erosion and sediment control best management practices reflect the most current technology available to reduce sediment from leaving the construction site to the maximum extent practicable and that water quality objectives are being represented in construction site runoff controls.

**Uncompleted Milestones in First Permit Cycle:**

Although all the milestones were completed including the minimum two inspections for construction runoff site control per permit issued within the County of DuPage, they were not formally documented.

**Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Assisted DuPage County with the adoption of the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings.
- One employee attended the APWA Certified Inspector of Sediment and Erosion Control Training.
- One employee attended the following presentations:
  - Erosion & Sediment Control – Job Site Dewatering
  - Erosion & Sediment Control – Polymers
  - Conservation Design
  - Low Impact Development
- Four employees attended the Best Management Practices (BMP) Training Session.
- One employee attended the following seminars/presentations:
  - Harvesting Pollution – Partnering with Agriculture to Improve Water Quality
  - Leading Sustainability
  - A Sound System for Storm Water Management
  - Cost-Benefit Analysis of BMPs
  - Storm Water Biofiltration
  - Sustainable Building Structures
  - Pervious Concrete
  - BaySaver Stormwater Separation
  - Pervious Concrete Update
  - Relative Performance of Manufactured Stormwater Treatment Systems
- Participated with DuPage County staff and the Municipal Engineers Advisory Group in the preparation of the BMP Manual.

- Assisted DuPage County with the adoption of the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings.
- Reviewed and issued 7 storm water permits.
- One employee attended a demonstration on DuPage County's MS4 Permit Manager Software.
- Received, investigated and resolved 25 drainage and storm water issues through the Village's CSR process.
- On January 9, 2009 the Village held a meeting with representatives from DuPage County where they presented information on flooding in Carol Stream and addressed issues concerning flood and erosion control studies and projects.
- The Village conducted a Disaster Preparedness Workshop on February 19, 2009 for residents living in the flood plain and provided them with information on storm water issues, flood procedures and regulations.
- All Staff had previously received training on sediment and erosion control measures.
- The Village did conduct a minimum of six inspections for construction runoff site control per permit issued within the County of DuPage. However, better documentation needs to occur. An NPDES Soil Erosion Control Inspection Form that was developed will be used to document inspections.

**BMP No. E.2-Regulatory, E.3-Long Term O&M Procedures, E.4-Pre-Construction Review of BMP Designs, E.5-Site Inspections During Construction, E.6-Post-Construction Inspections.**

**Measurable Goal(s), including frequencies:** Review Appendix F and the accompanying Technical Guidance to see that post-construction best management practices reflect the most current technology available to reduce pollutants from leaving the site to the maximum extent practicable and that water quality objectives are being represented in site runoff controls.

**Uncompleted Milestones in First Permit Cycle:**

Participate in adopting possible Ordinance revisions.

**Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Continued research through articles, documents, studies and ordinances on Best Management Practices (BMPs) effectiveness and provided input to the Storm Water Quality Stakeholders Committee.
- Participated in the Municipal Engineers Conference meetings where Ordinance revisions for post construction BMPs were formalized and adopted by DuPage County as well as the Village of Carol Stream. The BMP Manual was also

prepared through the Municipal Engineers Conference which was adopted by DuPage County and made effective August 1, 2008.

- The Village hired a consultant to review BMP storm water submittals and to inspect sites for compliance.
- Four employees attended the Best Management Practices (BMP) Training Session.
- One employee attended the following seminars/presentations:
  - Harvesting Pollution – Partnering with Agriculture to Improve Water Quality
  - Leading Sustainability
  - A Sound System for Storm Water Management
  - Cost-Benefit Analysis of BMPs
  - Storm Water Biofiltration
  - Sustainable Building Structures
  - Low Impact Development
  - Pervious Concrete
  - Conservation Design
  - BaySaver Stormwater Separation
  - Pervious Concrete Update
  - Relative Performance of Manufactured Stormwater Treatment Systems
- Adopted the revised DuPage County Countywide Stormwater and Floodplain Ordinance on June 2, 2008. Ordinance No. 2008-06-26.
- Adopted an ordinance Establishing a Fee in Lieu of Best Management Practices Program. Ordinance No. 2008-06-25.
- Staff reviewed and approved 7 plats of subdivision for storm water management and conveyance easements and conservation easements as well as 1 plat of easement grant.
- Assisted DuPage County with the adoption of the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E by participating in the Municipal Engineers Advisory Group meetings.
- No applications were submitted requiring BMPs as part of the new BMP Manual and therefore no plan reviews were required. However, the Village had previously begun requiring wet bottom basins with native prairie buffers, wetland shelves and sediment traps in detention basins or alternative BMPs prior to the adoption of the BMP Manual to help improve storm water quality. Plans for these BMPs were reviewed for compliance prior to the issuance of the 7 new storm water management permits and the 3 subdivision acceptances.
- Reviewed as-built drawings, if required for compliance with the original storm water management permit, for the 3 subdivision acceptances.
- Through staff interviews, inspectors performed at least 6 inspections of all sites requiring soil and erosion control measures or post construction BMPs throughout the construction season. Staff has developed an inspection tracking mechanism to better document inspections.

## **BMP No. F.1-Employee Training Program**

**Measurable Goal(s), including frequencies:** The above working group will determine proper training procedures on good housekeeping and pollution prevention for appropriate supervisory and/or management employees on: 1) Building and Open Space Maintenance; 2) Vehicle/Fleet Maintenance; 3) Materials Storage and Disposal; 4) Infrastructure Inspection and Maintenance; 5) Construction and land disturbances. Supervisors and/or managers will then provide their employees with the appropriate training/information based on the needs of the facility.

### **Uncompleted Milestones in First Permit Cycle:**

Conduct at least one employee training session, targeting those that were unable to attend the previous session and new hires. Record attendees and ask them to complete a session evaluation as well as submit suggestions for program improvements. County facilities should submit records of employee training conducted in-house and encourage them to document any other methods of on-going training within their facility.

Based on completed session surveys and suggestions, evaluate the procedures for effectiveness and improve training as necessary. Offer a refresher training session to previous attendees that include updates. Make arrangements for regular training sessions.

### **Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Served on the DRSCW Committee that oversaw the completion of the Chloride Usage Education & Reduction Study. Assisted with the preparation of the scope of services and awarding of the engineering consultant contract to prepare an implementation program for educating Public Works employees on how they can help in reducing chloride usage. The program will include operator training, storage and maintenance procedures, developing anti-icing and pre-wetting programs, alternative deicers as well as obtaining commitments from municipalities to purchase and utilize digitally calibrated salt spreaders. The following implementation program elements were accomplished:
  - Chloride Fact Sheets: Four chloride fact sheets were developed, each aimed at one of the following audiences: mayors and managers, public works staff, commercial operators, and homeowners. The fact sheets provided information on the chloride usage, its environmental affects and practical means for reducing its use. They were both distributed to municipalities and made available on the Workgroup website. Carol Stream internally distributed the fact sheets to elected officials, management and front line staff.
  - Deicing Alternative Products Summary: CDM, a consultant employed by the Workgroup, developed a summary of alternative deicing products. The document provides a summary of deicing products currently available, which

are used by member organizations, costs and environmental impacts. The document has been distributed to members and is available on the Workgroup website. The Village Director of Public Works, Assistant Director of Public Works and the Streets Superintendent received the document.

- Newsletters: The Workgroup produced and distributed two newsletters to members and other watershed municipalities during 2008. Topics covered in the newsletter included advice on chloride reduction.
  - Workgroup meetings: The Workgroup hosts meetings every other month where presentations are made on a variety of water quality topics. On February 27 an update on the Chloride Usage Education and Reduction Program was made by Daniel Potts, CDM. Presentations are made available on the website after the meetings.
  - Presentations hosted or given by the Workgroup: The following presentations were made by the Workgroup outside of its bimonthly meetings:
    - ◆ November 6 Lt. Governors Committee for Management of the Illinois River, Chloride Reduction by Stephen McCracken, DRSCW
    - ◆ September 25 Regulatory Issues Committee of the DuPage Mayors and Managers Conference, Chloride Reduction Program by Dan Bounds, CDM and Stephen McCracken, DRSCW
    - ◆ October 16 De-icing Program Seminar: DRSCW co-hosted this workshop with APWA Chicago Metro and DuPage County Division of Stormwater Management. Subjects covered were:
      - ◇ Alternatives for Reducing Chloride Loading from De-Icing by Steven Kaar, Central Salt
      - ◇ Reducing Chloride Use at DuDOT by John Kawka, DuPage County Department of Transportation
      - ◇ Anti-Icing: The Experience of Hanover Park by Howard Killian, Village of Hanover Park
      - ◇ Brewhouse Pre-Wet System by Larry Dunn, Warren Township Highway Department
      - ◇ Deicing Program Research and Technologies by Morton Satin, Salt Institute
      - ◇ Regulations and Water Quality: Local Chloride TMDL Analysis by Dan Bounds, CDM
- All presentations were made available on the website.
- Monitored ambient chloride levels at six locations in the Salt Creek, East and West Branches of the DuPage River.
  - The following training took place for good housekeeping and pollution prevention:
    - DuPage County Pollution Prevention and Good Housekeeping Seminar – One employee
    - Deicing Seminar – One employee
    - Sustainability - Recycling – Two employees
    - All 16 Public Works Street Division employees were trained and reminded of proper salting (pre-wetting and de-icing) and brine (ant-icing) usage practices in the fall prior to the snow removal season.

- Guaranteed Green: Improve Your Facilities and Services, Save Energy and Protect the Environment with Guaranteed Cost Savings – One employee
- Leading Sustainability – Will Public Works Rise to the Occasion? – One employee
- Recycling Industrial Materials in Construction Applications – One employee
- Low Impact Development (LID): Its Future and What it Means to Public Works – One employee
- Why Go Green? Sustainable Building Strategies to Increase Productivity and Improve Your Community – One employee

**BMP No. F.2-Inspection and Maintenance Program, F.4-Municipal Operations Waste Disposal.**

**Measurable Goal(s), including frequencies:** The above working group will investigate and develop procedures for inspection and maintenance of government-owned stormwater facilities, buildings and grounds, and infrastructure that concentrate on employee training and record keeping. Operation and maintenance procedures should consider: long-term inspection procedures, preventative maintenance, regular maintenance, and schedules for maintenance of: any control that discharges into a separate storm sewer, catch basins, storm drain systems, infiltration devices, detention and retention basins, vegetated swales, buffers, water quality inlets, screens and filters, drainage channels, restored channels and wetlands, dams, reservoirs, and filter strips; buildings and open-spaces; storage and waste disposal areas; highways, roads, streets, bridges, roadside vegetation, runoff control structures, and municipal parking areas; materials at maintenance and storage yards, fleet or maintenance shops, salt and sand storage areas, waste transfer stations, waste collection and recycling areas, and construction sites; snow disposal; litter and dumping controls; construction and land disturbances; and, proper disposal of wastes, accumulated sediments, dredge spoil, sludge, and floatable removed from storm sewers and other management practices. Effective operation and maintenance methods should also consider: operating manuals, spill prevention and cleanup procedures, storm water pollution prevention plans (SWPPP), and inventory and inspection of materials and equipment. Record keeping will document current maintenance activities and schedules.

**Uncompleted Milestones in First Permit Cycle:**

Finalize procedures and methods for pollution prevention and good housekeeping, maintaining consistency with employee training as well as establishing guidelines for record keeping. Provide facilities with those procedures, recommended methods, and guidelines for record keeping. Coordinate with employee training to assure consistency between procedures and guidelines. Continue coordination with employee training. Coordinate with employee training to incorporate any revisions into pollution prevention and good housekeeping procedures and guidelines.



### **Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Updated our 20-Year Capital Improvements Program (CIP).
- The Public Works Department had been inspecting and maintaining its storm sewer system on a scheduled time frame. However, due to the low amount of catch basin sediment removed and the good condition of the storm sewer system, it was decided to reduce the cleanings to about once every 10 years or until monitoring reveals trapped sediment levels in catch basins has increased to allow for efficient removal with our Vactor truck. The Village directed its efforts towards street sweeping to keep as much of the debris and sediment from entering the catch basins. Storm sewer piping is currently inspected and maintained on an as-needed complaint basis. Both the catch basin cleaning and storm sewer maintenance programs are tracked by a database program.
- Carol Stream maintains approximately one hundred and seven miles of roadway. The Village owns two vacuum sweepers and its roadways are swept approximately nine times per year. Last year the Village swept 4,404 curb miles of local roads collecting 8,197 cubic yards of debris.
- All waste from the Vactor truck and vacuum sweepers is sent to approved landfill sites.
- 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.
- Performed wetland and pond shoreline monitoring and management on 17 Village owned ponds, wetlands and stream banks. Contract cost was \$27,660.
- Ran seven aerators that provided oxygen to six different ponds.
- Performed over 5,100 Public Works man-hours on storm water management.
- Expended over \$37,000 on storm water maintenance and repair expenses
- Village Staff has participated on a DRSCW subcommittee for the Chloride Usage Education & Reduction Study. Led this subcommittee in implementing chloride reducing strategies through monitoring and education including the publishing and distribution of Chloride Fact Sheets, Deicing Alternative Products Summary and DRSCW Newsletter articles.
- The DRSCW is monitoring ambient chloride levels at six locations in the Salt Creek, East and West Branches of the DuPage River.
- Continued our anti-icing and pre-wetting programs to reduce the Village's salt usage. The Village also uses the non-chloride based "GEOMELT" in its anti-icing operations.
- The Village stores salt in a salt dome and the areas surrounding salt storage are routinely kept clean.
- Reported four sanitary sewer overflows (SSOs) or basement backups.
- Digitally televised 25,000 lineal feet of sanitary sewer lines to identify sections for maintenance, repair or replacement.
- Carol Stream has 61 biodiesel and 9 E85 vehicles in its fleet.

- Required phosphate free organic fertilizers in landscaping contracts.
- Required use of “green” products in our janitorial contract.
- The Village recycled the following quantities of waste:
  - Motor Oil                    555 Gallons
  - Oil Filters                    300 Filters
  - Paper & Plastic    33.28 Cubic Yards
  - Scrap Metal            20,182 Pounds
  - Tires                            175 Tires
  - Vehicle Batteries    94 Batteries
- The Village promotes local and regional recycling through handouts, press releases, Environmental Portal website, Correspondent, Happenings, electronic bulletin board, DuPage County’s Recycling Resource Guide, marquee sign, cable access channel, etc. We conducted our annual Community Shredding & Electronics Recycling Event which this year was held on Saturday, April 26<sup>th</sup> where approximately 180 vehicles transported in an estimated 4,000 pounds of paper and 12,463 pounds of electronics for recycling.
- The Village promotes both the spring and fall regional Household Hazardous Waste Collection Events as well as the weekly Naperville collection. This reporting year we conducted a Fall Hazardous Waste Collection event where we collected and disposed of:
  - 220 Gallons of Pharmaceuticals
  - 10,615 Gallons of Toxic Waste
  - 3,052 Gallons of Adhesives and Sealers
  - 1,100 Gallons of Motor Oil
  - 2,035 Gallons of Poisons/Pesticides
  - 1,650 Gallons of Paint
  - 270 Gallons of Batteries
  - 158 Car/Truck Batteries
  - 160 Propane Tanks
- The Village installed trash cans along the Lies Road Bike Path.
- The Village has maintenance procedures in place for recycling of wastes, hazardous material storage and control and waste disposal operations.
- The Village has a spill prevention plan.
- There have been no Incidences of Noncompliance (ION).
- Emergency numbers and procedures are established for Public Works personnel.
- The Village completed the Good Housekeeping Community Survey where The Conservation Foundation was seeking information for DuPage County on BMPs currently being implemented by municipalities.
- 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.
- During the reporting year the Village prepared contract documents for the Evergreen Sanitary Lift Station Replacement Project and the Tubeway Stormwater Lift Station Replacement Project. A contract was awarded for the Evergreen Sanitary Lift Station Replacement Project.

- The Village is in the process of preparing a GIS based storm sewer atlas utilizing GPS technology of all storm sewers and structures in the Village to assist in our management efforts. To date we have acquired GPS coordinates for 3,413 of the 7,710 storm sewer structures.
- The Village of Carol Stream has in place several ordinances that protect the health, safety and welfare of its residents with regards to storm water runoff quality. They include the following:
  - An ordinance that prohibits the burning of yard waste, garbage or refuse.
  - An ordinance that prohibits the dumping of yard waste, garbage or refuse onto any public or private property within the Village, including detention/retention basins and streams.
  - An ordinance that requires all garbage, refuse and recyclable materials stored in containers to be covered to prevent wind blown debris.
- 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).

#### **BMP No. F.5-Flood Management/Asses Guidelines**

**Measurable Goal(s), including frequencies:** Continue on-going efforts to ease flooding and flood damages to the maximum extent practicable. Review and revise, as needed, Appendix F and other related appendices. Continue to cooperate with the County of DuPage audit system for non-waiver and partial-waiver communities for compliance with Appendix F. Track the progress of watershed plans, hydrologic and hydraulic models, and FIRM maps updates as it pertains to our municipality.

#### **Uncompleted Milestones in First Permit Cycle:**

All milestones were met.

#### **Accomplishments in Year 6:**

The Village accomplished the following tasks in conjunction with DuPage County's achievements (see DuPage County's Annual Report) to satisfy our permit obligations for this BMP:

- Served on the Municipal Engineer's Conference in addressing storm water ordinance and BMP issues.
- The Village is a dues paying member of the DuPage River/Salt Creek Workgroup (DRSCW) which meets regularly to discuss and address TMDL issues. Staff participates with other municipal Engineers, Public Works Directors, POTWs, IEPA and various environmental groups.
- Adopted the revised DuPage County Countywide Stormwater and Floodplain Ordinance on June 2, 2008. Ordinance No. 2008-06-26.
- Adopted an ordinance Establishing a Fee in Lieu of Best Management Practices Program. Ordinance No. 2008-06-25.

- Performed 41 damage assessments to determine and track the amount of damages or improvements made to structures located in the flood plain.
- The Village conducted a Disaster Preparedness Workshop on February 19, 2009 for residents living in the flood plain and provided them with an understanding of the flood plain regulations.
- Village Staff prepared a Report on September 13-14, 2008 Flooding.
- The Village Provided DuPage County with tasks that needed to be included with their scope of services for the Klein Creek Watershed Study and Flood Control Program.
- The Village awarded a consultant engineering contract for the Carol Stream Venture Subdivision Flood Study.
- The following training took place for good housekeeping and pollution prevention:
  - Current Issues In Adapting Civil Infrastructures to Climate Change Impacts – One employee
  - A Sound System for Stormwater Management – One employee
  - DuPage County’s Flood Plain Mapping Program That Utilizes Unsteady Flow Hydraulic Modeling with FEQ – One employee
  - No Adverse Impact - Preserving our Watersheds, Protecting our Property Rights – One employee
  - Northeastern Illinois Floodplain Workshop – Three employees
  - Detention Credit for Voids In Stone – One employee
  - DuPage County’s Flood Control Facility Operations – One employee
- Reviewed storm water management permit applications for compliance with the DuPage County Countywide Stormwater and Flood Plain Ordinance. Issued 7 storm water management permits.
- Served on the Municipal Engineers Conference and the Storm Water Quality Stakeholders Committee where issues concerning DFIRMs and flood plain and floodway regulation interpretations were discussed and resolved.

***C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.***

See DuPage County’s Annual Report for the data that was collected and analyzed.

***D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)***

As stated in our NOI the following are activities that the Village of Carol Stream will undertake during year 1 of the second permit cycle:

**BMP No. A.1 Distribution of Paper Material**

- Continue with the publication and distribution of available paper materials.

### **BMP No. 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.

### **BMP No. A.3 Public Service Announcement**

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

### **BMP No. A.4 Community Event**

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

### **BMP No. A.6 Other Public Education**

- Finish the environmental web page.

### **BMP No. 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.

### **BMP No. 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.

### **BMP No. B.6 Program Coordination**

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

### **BMP No. 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.

### **BMP No. 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.

### **BMP No.C.2 Regulatory Control Program**

- Adopt an Illicit Discharge Detection and Elimination ordinance. Begin coordinating administrative duties with DuPage County.

### **BMP No.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.

### **BMP No.C.6 Program Evaluation and Assessment**

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

### **BMP No.D.1 Regulatory Control Program**

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

#### **BMP No. D.2 Erosion and Sediment Control BMPs**

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

#### **BMP No. D.4 Site Plan and Review Procedures**

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

#### **BMP No. 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.

#### **BMP No. 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.

#### **BMP No.E.2 Regulatory Control Program**

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

#### **BMP No. E.3 Long Term O&M Procedures**

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

#### **BMP No. E.4 Pre-construction Review of BMP Designs**

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

#### **BMP No. E.5 Site Inspections During Construction**

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

#### **BMP No. E.6 Post Construction Inspections**

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

#### **BMP No. F.1 Employee Training Program**

- Public Works and Administration maintenance staff will attend the good housekeeping pollution prevention workshop to be conducted by The Conservation Foundation for DuPage County or will view the power point presentation from this good housekeeping training seminar.

#### **BMP No. F.2 Inspection and Maintenance Program**

- 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.

#### **BMP No. F.4 Municipal Operations and Waste Disposal**

- 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.



### **BMP No. F.5 Flood Management/Assess Guidelines**

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

### **BMP: 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.

***E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).***

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

*F. Attach a list of construction projects that your entity has paid for during the reporting period.*

| <b>Location</b>  | <b>Start Date<br/>Est. Comp. Date<br/>Description</b>   |
|--|---|
| East Side Water Reclamation Center<br>Demolition Project | 6/2007<br>5/2008<br>Demolition of the clarifier steel tanks,<br>blower<br>building and diversion chamber. |
| Town Center Parking Lot Improvement<br>Project           | 9/2008<br>11/2009<br>Grading and restoration of a grass turf<br>Parking lot.                              |