

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
ANNUAL FACILITY INSPECTION REPORT  
NPDES PERMIT FOR STORM WATER DISCHARGES  
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Complete each section of this report.

Reporting Period from: March, 2009 To: March, 2010 Permit Number : ILR400378

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

Name: Village of Lombard Telephone: 630-620-5700

Mailing Address: 255 E. Wilson Ave.

City: Lombard State: IL Zip: 60148 County: DuPage

Contact Person: Nick Hatfield

(Person responsible for Annual Report)

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

Village of Lombard

DuPage County

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach             | <input type="checkbox"/> | 4. Construction Site Runoff Control       | <input type="checkbox"/> |
| 2. Public Participation/Involvement          | <input type="checkbox"/> | 5. Post-Construction Runoff Control       | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

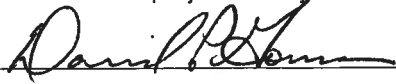
B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum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

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

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

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

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

Signature:  Date: 5/11/10

*Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))*

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: Illinois Environmental Protection Agency, DWPC  
Compliance Assurance Section #19  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

# ***Annual Facility Inspection Report - Section A***

***Year 7 of NPDES Permit No. ILR400378 Village of Lombard, 2nd Notice of Intent (Year 1)***

No changes were made during this reporting year to the best management practices that were outlined in the Village of Lombard's and DuPage County's Notice of Intent, dated 02/28/08, to obtain coverage under General NPDES Permit No. ILR40.

# ***Annual Facility Inspection Report - Section B***

***Year 7 of NPDES Permit No. ILR400378 Village of Lombard, 2nd Notice of Intent (Year 1)***

## ***A.1: Distribution of Paper Material***

Continue to distribute brochures previously developed by the County. The Village provides both paper copies at the Village and digital copies for the public on their website. Create and distribute a list of companies providing service for native vegetation installation, monitoring and management. Attend informational training seminars that the County sets up for consultants, engineers and municipal representatives. The County continues to: update and re-implement Adopt-a-Stream brochure; Distribute additional recreational brochures developed by the Forest Preserve District of DuPage County (FPDDC) that inform the public about using the natural resources in DuPage County for activities like hiking, fishing, and water activities; Update Stream Maintenance Program brochure; Create additional Water Quality brochures (e.g. IDDE); Create a DuPage County fact sheet that emphasizes stormwater management information; Continue production of quarterly stormwater newsletter, Currents; Distribute brochures on local water quality and conservation initiatives developed by others; Develop a series of water quality brochures (IDDE), handouts, and informational material; Provide information and resources, including brochures, an informational DVD, and newsletters for planting and maintaining certified properties.

### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Re-designed Adopt-a-Stream brochure to include information on the updated program, including IDDE monitoring.

6/1/2009

Provided six (6) poster size watershed maps to the Morton Arboretum for use in educational classes. 6/18/2009

Provided one hundred (100) of each of the following educational brochures to the Village of Glendale Heights: 'DuPage County Wetlands and Streams,' 'Homeowners Guide to Maintenance and Management of Naturalized Areas,' and 'Streambank Stabilization'.

6/19/2009

Developed 'Currents' a quarterly Newsletter publication that updated residents on current activities of the Stormwater Management Division, provided education and tips on stormwater management and water quality best management practices, and provided links and updates on upcoming events.

10/1/2009

Developed handout entitled 'LEED & Stormwater & Flood Plain Ordinance Applicability' to increase awareness that compliance with the DuPage County Countywide Stormwater and Flood Plain Ordinance also qualifies projects for certain LEED credits.

10/23/2009

Developed the brochure 'A Citizen's Guide to Monitoring Stormwater' to encourage citizen participation in IDDE monitoring activities.

12/1/2009

Developed the brochure "More Than Rain Down the Drain: Illicit Discharge Detection & Elimination Public Awareness' to increase citizen knowledge and awareness of stormwater management and illicit discharges.

12/1/2009

Developed the brochure 'Car Wash and Pool Discharge Guidelines: Send Only Rain Down the Drain!' to promote education and awareness of proper techniques for car washing activities and pool discharges.

12/1/2009

Developed handout entitled 'How To Install Your Rain Barrel' to assist homeowners with proper installation, use and maintenance of their rain barrels, and distributed the handout in the Division's Kiosk Waiting Area.

1/1/2010

Developed a brochure entitled 'Living On A Stream' to educate homeowners on best management practices and tips to protect their property value and the water quality of receiving streams.

2/1/2010

Distributed six (6) of each of the following brochures: Living on a Stream brochure, IDDE Citizen Monitoring brochure, Car Wash & Pool Discharge brochure and the LEED & Stormwater Flood Plain Applicability handout.

3/3/2010

Distributed two hundred (200) 'Rain Barrel' brochures in the Division's Waiting/Kiosk area to educate residents on the benefits of installing a rain barrel.

3/31/2010

Distributed brochures entitled, 'DuPage County Wetlands & Streams,' 'Maintenance & Management of Naturalized Areas: A Homeowner's Guide,' 'Streambank Stabilization in DuPage County,' 'Living on a Stream,' 'Rain Barrels,' 'How to Install Your Rain Barrel,' and a series of handouts on rain, water resources and natural areas produced by The Conservation Foundation. These brochures and handouts were available in the Division's kiosk waiting area of the County Building.

3/31/2010

## ***A.2: Speaking Engagement***

Continue to participate and present relevant issues at the Environmental Summit. Continue to fund support for groups like S.C.A.R.C.E, The Conservation Foundation, and other organizations that sponsor conservation friendly activities.

Continue to present at permitting workshops and other speaking engagements to educate the public. Continue to provide internal and external training opportunities. Continue to be a partner in other conservation activities. Develop material for public information, such as PowerPoint presentations. Contract with The Conservation Foundation to provide community education (in addition to Conservation@Home) on water quality topics and programs, such as "When it Rains, it Drains" and "Don't Muddy the Waters."

### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

DuPage County hired Public Information Manager to manage education and outreach on stormwater management on behalf of the Division.

4/15/2009

Staff assisted with a presentation at the CSWEA Annual Presentation on the successful operation of the Elmhurst Quarry during severe flooding in September of 2008.

5/20/2009

Public Information Manager appeared on 'Addiscene,' the Village of Addison's public access cable program to promote the use of rain barrels and native plants and to advertise the Green Landscapes Event held on May 30, 2009.

5/22/2009

Sponsored a seminar on Illicit Discharge Detection and Elimination at the Jack T. Knuepfer Building that one hundred fifteen (115) people from over forty (40) different organizations attended. The seminar covered topics such as detecting illicit discharges, IDDE sampling results for 2008, the County's IDDE Ordinance and the Village of Addison's IDDE program.

5/27/2009

Public Information Manager appeared on Daylight Edition on WDCB Public Radio to promote the use of rain barrels and native plants, and advertise the Green Landscapes Event held on May 30, 2009.

5/27/2009

Staff attended and presented a poster at the Society of Wetland Scientists Annual Meeting in Madison, Wisconsin. The poster was entitled 'Linking Upland and Wetland Through Water Quality: Permanent Best Management Practices in DuPage County,' and provided examples of BMPs in DuPage in compliance with the DuPage County Countywide Stormwater and Flood Plain Ordinance.

6/21/2009

Sponsored a seminar on chloride reduction in winter deicing operations for public agencies in coordination with the DuPage River Salt Creek Workgroup, American Public Works Association and the Building Owners and Managers Association of Suburban Chicago. The seminar focused on best management practices, pre-wetting techniques and other anti-icing practices.

9/24/2009

Sponsored a seminar on chloride reduction in winter deicing operations for private operators in coordination with the DuPage River Salt Creek Workgroup and the Building Owners and Managers Association of Suburban Chicago, which focused on best management practices, pre-wetting techniques and other anti-icing practices. Participants were tested at the end of the seminar and upon passing, received a certificate of completion and their names were added to our website as recognized trained deicing operators.

10/1/2009

Three staff members presented an educational session on the benefits of rain gardens, and included tips for installation, at the Bloomingdale Public Library.

10/14/2009

Senior staff spoke at the Green Building Expo, held in the auditorium of the Jack T. Knuepfer Building of the DuPage County Complex, on the topic of best management practices, the DuPage County Countywide Stormwater and Flood Plain Ordinance, and LEED and LID concepts. The Division also presented a booth at this event.

10/23/2009

Staff presented at a webinar held by the National Association of Counties on the topic of Total Maximum Daily Load (TMDL) development and the County's work with the DuPage River Salt Creek Workgroup.

11/12/2009

Staff participated in the Environmental Summit held at Benedictine University by displaying a booth. Topics covered included wetland mapping, the Water Quality Improvement Grant Program and proper techniques pertaining to car washing activities.

1/7/2010

Sponsored a seminar entitled 'Beyond the Basics: Green Infrastructure for Clean Water,' which provided information and examples of green infrastructure at the site, neighborhood, community and watershed level. An update on a study of green infrastructure regulations commissioned by the IEPA was also provided.

2/18/2010

Helped develop and sponsor a seminar entitled 'Natural Areas Management.' This seminar covered techniques and tips for proper maintenance of natural areas, including native vegetation and pond chemical maintenance. Nearly one hundred (100) people attended the seminar.

2/22/2010

Sponsored a seminar entitled, 'Realizing Sustainable Stormwater,' held by the US Green Building Council. The seminar covered BMPs and implementation, and related these measures to LEED credits.

3/3/2010

DuDOT maintenance highway supervisor presented to the Municipal Engineers Meeting Group on DuDOT's operations during the previous two winter seasons.

3/4/2010

### ***A.3: Public Service Announcement***

Create a 30 second PSA that will inform residents about issues of disposing or dumping of waste into storm sewers. DuPage County, working through The Conservation Foundation, will promote and expand the Storm Drain Stenciling program. The Village provides the materials for stenciling to interested community groups. DuPage County will continue to encourage and increase local coordination in communities. Continue outreach to scout organizations and ecology clubs, and homeowners associations. Maintain records and generate reports. Purchase and distribute supplies. Intern/assistant to coordinate program with staff support.

#### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Developed two (2) billboards as part of a water quality campaign with seasonal based themes that were displayed on Route 83 in Elmhurst. The messages used fish mascots created to promote water quality education and awareness.

1/15/2010

Funded the Storm Drain Stenciling program where 306 volunteers stenciled 1,292 storm drains and hang 2,520 informational door hangers in Addison, Bartlett, Carol Stream, Downers Grove, Hanover Park, Naperville, Naperville Township and Winfield.

3/31/2010

### ***A.4: Community Event***

Continue support of an informational booth at The DuPage County Fair. Continue support of County supported events hosted by organizations like S.C.A.R.C.E, The Conservation Foundation, and groups that present a positive environmental message. The Conservation Foundation will create a Community Watershed Outreach Program that will develop and distribute a Watershed Program Outreach brochure/flyer, assemble and update a database. An intern/assistant will be hired to carry out tasks. Continue participation in the DuPage County Fair and at other County funded organization events.

#### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Ten (10) County staff members volunteered at a community event, organized by a Public Works staff member, at Churchill Woods Elementary School for an Environmental Club Earth Day event for fourth and fifth graders. It included a hike through Churchill Park with a guided lesson on the wetlands present in the area. After the walk was completed, students planted tulips and other native plants on the school grounds with the assistance of County staff. 4/22/2009  
Held a rain barrel sale for County employees. Rain barrels sold by The Conservation Foundation were partially subsidized by the County, and over 200 barrels were sold to County employees.

5/1/2009

Held first annual Green Landscapes Event where DuPage County residents were able to purchase rain barrels and native plants off the truck from vendors. Compost education was also provided by SCARCE.

5/30/2009

Staffed an informational booth over the course of five (5) days at the DuPage County Fair. The booth covered the different operations of the Division, and provided hands-on learning opportunities for children and adults.

7/26/2009

Staffed 'Scientists at the Field' at the Field Museum to educate the public on soil impacts on stormwater runoff and plant growth. Over 200 guests participated in hands on events.

8/20/2009

Staffed an informational booth at the first annual Green Fair at Cantigny Park. Stormwater management topics covered included rain barrels, native plants and the Water Quality Improvement Grant.

9/26/2009

Funded presentations and attendance at community events by the local nonprofit group SCARCE. Over the course of the year, SCARCE attended 393 events in DuPage County, some which were funded by the Division. Topics that were presented at the events included watersheds and the effects of outdoor washing activities, chloride and phosphates and how to limit human impact in a watershed. SCARCE also covers rain gardens, rain barrels, green buildings and green roofs, native plants, bioswales and wetlands.

3/31/2010

## ***A.5: Classroom Education Material***

Continue County support of teacher education programs utilizing a group like S.C.A.R.C.E. Continue to produce education materials for public and private uses. Continue the development of education materials and sponsorship of environmental clubs. Review and update classroom education materials, as necessary.

### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Funded the 2009 Sustainable Design Challenge where 146 students learned the aspects of and participated in the design of model green buildings. Stormwater management topics covered and presented include green roofs, rain barrels and rainwater harvesting.

4/14/2009

Funded 'Envirothon,' which is a natural resource management competition open to high school students. Four high schools represented DuPage County in the northeast regional competition, which educates students on local issues and solutions regarding wildlife, soils, forestry and aquatics.

3/31/2010

Funded grade school stewardship-based curriculum on land and water resources for students in 4th-6th grade in DuPage County. A total of 405 students participated in the program for the 2009-2010 school year. Hands on activities combined with the curriculum include removal of invasive species, seed collecting and brush and debris removal.

3/31/2010

Funded educational workshops for teachers and in class education for students, which was implemented by the local nonprofit group SCARCE. Over the course of the year, SCARCE held 166 programs, reaching 2,470 educators and 14,321 students throughout DuPage County. Teacher workshops qualified for continuing professional development units or graduate credit.

3/31/2010

## ***A.6: Other Public Education***

The Village has utilized its rain barrel grant program to help educate residents of the benefits of such BMPs. The County created a Public Information Manager position, which handles all public relations matters for Stormwater Management Division. Continued support of Conservation @ Home, which was developed by The Conservation Foundation. This program is an extension of our existing homeowner education and watershed protection efforts, and encourages and recognizes property owners that protect and/or create yards that are environmentally friendly and conserve water. This includes planting native vegetation, such as prairie and woodland wildflowers, trees and shrubs, create butterfly and rain gardens, and remove exotic species of plants. Implement a wetland classroom program with S.C.A.R.C.E. Continue to support programs like those listed above and promote other educational opportunities. The Village has a rain barrel on display at the Public Works Department and offers a grant for residents who purchase a rain barrel for their home.

### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

County hired Public Information Manager to manage education and outreach on stormwater management on behalf of the Division.

4/15/2009

Continued to financially support the Conservation@Home program to encourage homeowner development of landscapes utilizing native vegetation and rain gardens.

5/1/2009

Developed press releases on Division events, including rain barrel sales and the Green Landscapes Day.

5/1/2009

Completed a native garden demonstration project outside of the Jack T. Knuepfer Building on the east side facing the entry off of the Heritage Gallery. The native garden can be viewed from all three floors of the building. Design and installation of the three thousand (3,000) native plants was performed by staff, with additional support offered by a professional native landscape consultant. Routine maintenance, such as weed pulling and minor replantings, was performed after planting to ensure plant health and continued development. Signage to educate the public on the identification of the plant species is included in the project, which is highlighted at

[www.dupageco.org/recycling/generic.cfm?doc\\_id=4121](http://www.dupageco.org/recycling/generic.cfm?doc_id=4121).

6/29/2009

Developed two (2) fish mascots for use in stormwater education and public awareness materials.

11/1/2009

Bid the construction aspects of the Urban Research Center project, located on the Blackwell Forest Preserve Property. The research center will house aquatic species in need of health recovery and provide educational programs to the public. The County will provide project management and oversight for this building. The overall goal of the center is to increase the diversity of freshwater mussels and non-game fish species that are declining in population in the West Branch DuPage River, evaluate the success and impacts of ongoing habitat restoration and remediation projects along the river, improve the success of urban aquatic habitat restoration, and provide educational components for the public. DuPage County will incorporate BMP's into the design of the research center. A rain garden will be installed on the grounds and will include educational signage and exhibits demonstrating how the BMP reduces impacts of stormwater runoff on the site.

1/12/2010

Funded outreach on community watershed education through a DuPage Rivers website ([www.dupagerivers.org](http://www.dupagerivers.org)) that hosts the Upper DuPage Watershed Plan and provides information and examples on implementing key pieces of the watershed plan.

### ***B.1: Public Panel***

Continue support of Environmental Summit. Continue support of Environmental Commission. Continue to support groups like the Environmental Commission that provide opportunities for increasing public knowledge regarding environmental issues.

#### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Responded to public comments made during the Illicit Discharge Detection and Elimination Ordinance, which was open from February 4 through March 5, 2009. Forty-five (45) comments were received and addressed. These comments resulted in six (6) changes to the Ordinance text.

4/14/2009

Opened a public comment period for thirty (30) days for review of the draft Brewster Creek Headwaters Watershed Plan.

12/14/2009

Opened a public comment period for thirty (30) days for review of the draft Environmental Assessment report on the Urban Stream Research Center.

2/14/2010

### ***B.3: Stakeholder Meeting***

Continued support of the Municipal Engineers Advisory Group and the DuPage County Water Quality Stakeholder Committee. Continued implementation of BMPs. Continue support of the Municipal Engineers and Water Quality Stakeholders Groups.

#### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Participated in meeting of other stakeholders in the DuPage River Salt Creek Workgroup. Topics covered included continuous dissolved oxygen (DO) monitoring and the DO Improvement Feasibility Study for Salt Creek and East Branch DuPage River, including the Churchill Woods Project.

4/29/2009

Participated in meeting of other stakeholders in the DuPage River Salt Creek Workgroup. Topics covered included DO Improvement Feasibility Study for Salt Creek and East Branch DuPage River, including the Churchill Woods Project; chloride usage education and reduction and new Illinois Environmental Protection Agency (IEPA) TMDLs.

6/24/2009

Participated in meeting of other stakeholders in the DuPage River Salt Creek Workgroup. Topics covered included Green Infrastructure for Clean Water Act, chloride usage and education and DO Improvement Feasibility Study for Salt Creek and East Branch DuPage River, including the Churchill Woods Project.

8/26/2009

Participated in meeting of other stakeholders in the DuPage River Salt Creek Workgroup. Topics covered included chloride reduction and education, with presentations from McHenry County and on deicing equipment, and DO Improvement Feasibility Study for Salt Creek and East Branch DuPage River, including the Churchill Woods Project.

10/28/2009

Participated in meeting of other stakeholders in the DuPage River Salt Creek Workgroup. Topics covered included DO Improvement Feasibility Study for Salt Creek and East Branch DuPage River, including the Churchill Woods Project.

2/24/2010

Held monthly (12 total over the course of the year) Municipal Engineers Advisory Group meetings for local municipal staff to discuss stormwater management, application of the DuPage County Countywide Stormwater and Flood Plain Ordinance and permit irregularities.

3/31/2010

### ***B.4: Public Hearing***

Hold Public hearings as necessary for any ordinance change, watershed plan, or variance to a given provision in the ordinance. Continue to implement updates and review all amendments to appendices of the Stormwater Management Plan. Hold public hearings, as necessary, for any ordinance change, watershed plan, or variance.

#### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Held Public Hearing on Stormwater Management Permit 08-T24708, Wahlgreen Court, Unincorporated DuPage County.

5/5/2009

Held Public Hearing on Stormwater Management Permit, Single Family Residence, 3N241 Cardinal Street, Unincorporated Addison.

5/5/2009

Held Public Hearing on Stormwater Management Permit 09-T27390, Morse Point, Unincorporated DuPage County.

5/5/2009

Held Public Hearing on Variance Request not to elevate sheds at least one foot above the base flood elevation, single family residential property - 5706 Riverview Drive, Unincorporated Lisle.

9/1/2009

Held Public Hearing on Variance Request for not requiring a Conditional Letter of Map Revisions (CLOMR) from FEMA - Wheaton Sanitary District Waste Water Treatment Plant, 1S649 Shaffner Road, Unincorporated Wheaton.

9/1/2009

### ***B.5: Volunteer Monitoring***

The C.A.R.E 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 will hopefully be used to draw correlations and trends on the improvements to the impaired watersheds in DuPage. Continue support for volunteer monitoring opportunities.

#### ***Goals***

#### ***Year 1 Milestone(s)***

#### ***Summary Date***

Funded the Citizen Assessing Regional Ecosystem (CARE) Monitoring Program, which monitored seven (7) sites throughout DuPage County. The Program partners with the RiverWatch Citizen Scientist Program run by the National Great Rivers Research and Education Center. From 05/01/09 to 06/30/09 fourteen (14) volunteers monitored the seven sites.

6/30/2009

Expanded the Adopt-a-Stream Program to provide technical support and education for citizen Illicit Discharge Detection and Elimination monitoring.

1/1/2010

### ***B.6: Program Coordination***

Creation of a Public Information Manager position (PIM). This position will be responsible for program coordination as well as lead contact for public education and outreach opportunities. Review stormwater programs and determine where updates are necessary.

#### ***Goals***

#### ***Year 1 Milestone(s)***

#### ***Summary Date***

County hired Public Manager to manage education and outreach on stormwater management on behalf of the Division.

4/15/2009

Coordinated with The Conservation Foundation and SCARCE to provide public education and outreach to DuPage County residents.

3/31/2010

### ***B.7: Other Public Involvement***

Within the last few years, DuPage County has received several requests to participate in projects where the goal was to improve water quality, but streambank stabilization was not necessarily the desired solution. Such projects include wetland creation, storm sewer day lighting, and in-stream animal habitat enhancement. In order to encourage the implementation of similar projects in the future, the County found it necessary to expand the only program that addressed water quality concerns, the Streambank Stabilization Program, into the Water Quality Improvement Program.

Continue to provide funding to the water quality and stream maintenance programs, in addition to programs which incorporate public involvement. Continued sponsorship of Wetland Identification Class and continued maintenance of signage at County owned properties. Continued funding for Household Hazardous Waste Program.

#### ***Goals***

#### ***Year 1 Milestone(s)***

#### ***Summary Date***

Funded the annual Countywide River Sweep where over 560 volunteers participated and retrieved 5.37 tons of garbage and debris from over 39.85 miles of river.

5/16/2009

Sponsored a four-day Wetland Identification Class with classroom and field instruction. Twenty-five (25) people attended the course each day.

8/25/2009

Developed a website with a blog for the DuPage County Countywide Stormwater and Flood Plain Ordinance review and update process. Consultants, municipal staff and the general public can learn what types of changes to the Ordinance are proposed and can leave their feedback to specific alternatives.

11/1/2009

Solicited projects for the 2010 Water Quality Improvement Grant Program and awarded a total amount of \$300,000 to six (6) different projects, which covered streambank stabilization, rain gardens and permeable pavement installation.

2/16/2010

### ***C.1: Storm Sewer Map Preparation***

As the monitoring portion of the illicit discharge detection and elimination program begins DuPage County staff will verify the accuracy of the outfall database created during the first five years. A measurable goal for this BMP will be how many updates are received from the cooperating permit holders. The Village has provided this information to the appropriate County representative and will continue to provide updates annually. The success of the original outfall mapping effort will be measured by how many outfalls were incorrectly included in the database and how many others are found that were not identified during the first permit cycle. Coordinate the exchange of outfall and storm sewer network information. Field inspectors will verify the locations of the outfalls identified during the first permit cycle as they monitor the outfalls for illicit discharge.

### **Goals**

#### **Year 1 Milestone(s)**

#### **Summary Date**

Received the most current electronic version of the Village of Lombard's storm sewer atlas. 6/17/2009  
Received the most current electronic version of the Village of Bloomingdale's storm sewer atlas. 9/3/2009  
Received the most current electronic version of the Village of Lisle's storm sewer atlas. 10/30/2009  
Received the most current paper version of the City of Naperville's storm sewer atlas (dated 10/2006). 12/16/2009  
Received the most current paper version of the Village of Wayne's storm sewer atlas (dated 3/4/2009). 12/18/2009  
Seventy (70) previously un-catalogued outfalls were added to the outfall database based on outfall screening monitoring that was conducted during the 2009 efforts.  
3/31/2010

### **C.2: Regulatory Control Program**

The success of this BMP will be measured by the number of outfalls that are identified and fixed, the success of the collaboration efforts between DuPage County and the cooperating permit holders, and the IDDE ordinance withstanding any legal challenges. DuPage County will revise the ordinance as needed. Adopt the Countywide Illicit Discharge Detection and Elimination ordinance. Begin coordinating administrative duties each cooperating permit holder is responsible for. The Village has adopted the current version of the Countywide ordinance and signed an IGA with the County to provide for continued monitoring and support with the program.

### **Goals**

#### **Year 1 Milestone(s)**

#### **Summary Date**

The DuPage County Illicit Discharge Detection and Elimination (IDDE) Ordinance was enacted by DuPage County Board and adopted into Appendix E of the DuPage County Watershed Management Plan. The IDDE Ordinance applies to unincorporated areas of DuPage County.  
5/26/2009  
Completed IGA with the Village of Carol Stream, which is engaged as a full participant in DuPage County's IDDE plan. Carol Stream has also adopted an Ordinance Adopting the Village of Carol Stream Illicit Discharge Detection and Elimination Ordinance (Ordinance No. 2009-07-35).  
10/13/2009  
Completed IGA with the Village of Westmont, which is engaged as a full participant in DuPage County's IDDE plan. Westmont has also adopted Ordinance No. 09-99, which added Chapter 16- Illicit Discharge Detection and Elimination (IDDE) to the Westmont Code of Ordinances.  
10/13/2009  
Completed IGA with the Village of Oak Brook, which is engaged as a full participant in DuPage County's IDDE plan. Oak Brook has also adopted an Ordinance Amending the Code of Ordinances to Add Title 15 (Illicit Discharge Detection and Elimination Ordinance) to the Village Code of the Village of Oak Brook (Ordinance 2009-SWM-IDDE-EX1-G-897).  
10/13/2009  
Completed IGA with the Village of Bloomingdale, which is engaged as a full participant in DuPage County's IDDE plan. Bloomingdale has also adopted an Ordinance Regulating Illicit Discharges and Detection and Elimination of Illegal Connections to Stormwater Drainage Systems within the Village of Bloomingdale (Ordinance No. 2009-30).  
10/13/2009  
Completed IGA with the Village of Hanover Park, which is engaged as a full participant in DuPage County's IDDE plan. Hanover Park has also adopted an Ordinance Amending Paragraphs (a) and (b) of Section 38-231 of Chapter 38 (Ordinance O-09-23).  
10/13/2009  
Completed IGA with the Village of Burr Ridge, which is engaged as a full participant in DuPage County's IDDE plan. Burr Ridge also amended Chapter 8, Stormwater Run-off, of the Burr Ridge Municipal Code.  
10/13/2009  
Completed IGA with the Village of Lombard, which is engaged as a full participant in DuPage County's IDDE plan. Lombard has also adopted an Ordinance Amending Title 5, Chapter 50 of the Lombard Village Code in Regard to Illicit Discharge Detection and Elimination (Ordinance No. 6392).  
10/13/2009  
Completed IGA with the Village of Lisle, which is engaged as a full participant in DuPage County's IDDE plan. Lisle has also adopted an Ordinance Adding Title 8, Chapter 6 of the Village Code of the Village of Lisle Regarding Illicit Discharge Detection and Elimination (Ordinance No. 2009-4280).  
11/10/2009  
Completed IGA with the Village of Glen Ellyn, which is engaged as a full participant in DuPage County's IDDE plan. Glen Ellyn has also adopted an Ordinance Establishing the Illicit Discharge Detection and Elimination Regulations of the Village of Glen Ellyn (Ordinance No. 5804-VC).



11/10/2009

Completed IGA with the Village of Villa Park, which is engaged as a full participant in DuPage County's IDDE plan. Villa Park has also adopted a Village of Villa Park Illicit Discharge Detection and Elimination Ordinance (Ordinance 3580).

12/8/2009

Completed IGA with the Village of Clarendon Hills, which is engaged as a full participant in DuPage County's IDDE plan. Clarendon Hills also adopted an Ordinance Amending Chapter 10 of the Clarendon Hills Village Code in Regard to Illicit Discharge Detection and Elimination (Ordinance No. 09-12-54).

1/12/2010

Completed IGA with the City of Warrenville, which is engaged as a full participant in DuPage County's IDDE plan. Warrenville has also adopted Section 8-11 of the City Code, Illicit Stormwater Discharge and Detection.

1/12/2010

Completed IGA with the Village of Woodridge, which is engaged as a full participant in DuPage County's IDDE plan. Woodridge also adopted 8-IL-4, the Village of Woodridge Illicit Discharge Detection and Elimination Ordinance.

1/12/2010

Completed IGA with the City of Naperville, which is engaged as a full participant in DuPage County's IDDE plan. Naperville also adopted an Ordinance Amending Title 5, Chapter 7 to Add Section 4 to the Naperville Municipal Code (Ordinance No. 09-148).

1/12/2010

Completed IGA with the City of Darien, which is engaged as a full participant in DuPage County's IDDE plan. 1/12/2010

Completed IGA with the Village of Elmhurst, which is engaged as a full participant in DuPage County's IDDE plan.

1/12/2010

Completed IGA with the City of Oakbrook Terrace, which is engaged as a full participant in DuPage County's IDDE plan. Oakbrook Terrace has also adopted an Ordinance Amending the Code of Ordinances of the City of Oakbrook Terrace (Ordinance No. 09-26).

1/12/2010

Completed IGA with the Village of Glendale Heights, which is engaged as a full participant in DuPage County's IDDE plan.

1/12/2010

Completed IGA with the Village of Wayne, which is engaged as a full participant in DuPage County's IDDE plan. Wayne has also adopted an Ordinance Amending Title 4 of the Wayne Village Code (Ordinance No. 09-25).

1/12/2010

Completed IGA with the Village of Willowbrook, which is engaged as a full participant in DuPage County's IDDE plan. Willowbrook has also adopted an Ordinance Amending the Village Code of the Village of Willowbrook (Ordinance No. 10-0-01).

3/9/2010

Twenty of 32 partnering municipalities have adopted IDDE ordinances and entered into agreements with DuPage County as a full participant of Stormwater Management's IDDE plan, while eleven of the remaining municipalities expressed their intention to do so in the next several months.

3/31/2010

### ***C.3: Detection/Elimination Prioritization Plan***

The success of the prioritization plan will be measured by the number of illicit discharges that are detected. The point of the prioritization plan is to anticipate the areas in which one would expect to see the highest number of illicit discharges. The detection plan should help locate the major illicit discharges present within the system. The number of outfalls screened will be recorded and all information obtained during the screening process will be documented in the GIS database.

The prioritization plan will be applied to the existing MS4 outfall database. The results of this plan will be used to set which outfalls will be monitored and when. DuPage County will begin monitoring outfalls that have been identified during the prioritization process.

#### ***Goals***

##### ***Year 1 Milestone(s)***

##### ***Summary Date***

Finalized the Illicit Discharge Detection and Elimination (IDDE) Program Technical Guidance document. The Technical Guidance document highlights procedures for outfall screening and prioritization, investigation procedures, as well as procedures for disconnection of identified illicit discharges.

11/30/2009

Partnered with the DuPage River Salt Creek Workgroup to redirect unspent \$319 grant monies toward the development of sanitary sewer/septic field data layers. Produced information can be used in calculating illicit discharge risk factor values, as outlined in the DuPage County IDDE Program Technical Guidance document. Related factors include density of existing septic systems, septic to sanitary sewer conversion and condition of sanitary sewer.

2/3/2010

### ***C.4: Illicit Discharge Tracing Procedures***

The effectiveness of the tracing procedures developed by DuPage County will be reviewed throughout the permit cycle. As illicit discharges are discovered, County staff will perform an annual review on all the illicit discharges located and determine what methods have been the most successful. The tracing procedures will be subject to modification if one procedure

shows to be a substantially more effective means of locating a discharge. DuPage County will record the number of discharges traced and the methods used to locate each discharge. Begin monitoring MS4 outfalls. Once illicit discharges

are detected, the protocols set forth in the technical guidance chapter will be followed. Review the status of all illicit discharges discovered.

#### **Goals**

#### **Year 1 Milestone(s)**

#### **Summary Date**

The DuPage County IDDE Program Technical Guidance document was completed and incorporated into the IDDE plan by Stormwater Management staff.  
3/31/2010

### ***C.5: Illicit Source Removal Procedures***

DuPage County staff will measure the success of this BMP by reviewing how many illicit discharges were detected, discovered, and subsequently removed. If there are instances where an illicit discharge was detected but the permit holder was not legally able to remove that discharge the removal procedure process will have to be modified. DuPage County will continually review the most effective removal procedures and convey this information to the cooperating permit holders. Begin monitoring MS4 outfalls. Once illicit discharges are detected, the protocols set forth in the technical guidance chapter will be followed. Review the status of all illicit discharges discovered. Enforce the removal of illicit discharges.

#### **Goals**

#### **Year 1 Milestone(s)**

#### **Summary Date**

An illicit discharge hotline was established. Citizens within DuPage County can call the 24-hour hotline (630-407-6796) to report known or suspected illicit discharges. These discharges are investigated as soon as possible after the call is received, which is typically the same or next business day. Illicit discharges can also be reported via email at Water.Quality@dupageco.org.  
11/3/2009

Investigated property in Elmhurst regarding an outdoor sink adjacent to a private inlet, installed in 1997 to address localized drainage concerns, which connects to the City's storm sewer system. The City of Elmhurst staff met with the resident who agreed to remove the sink from his property.  
1/12/2010

### ***C.6: Program Evaluation and Assessment***

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. The IEPA will include a synopsis of the program changes recommended as part of the annual review.

Develop a procedure for evaluating the IDDE program.

#### **Goals**

#### **Year 1 Milestone(s)**

#### **Summary Date**

A need for training related to spill handling and reporting requirements was identified. Individuals attending DuPage County's Illicit Discharge Detection and Elimination Seminar conveyed this request to County staff. A spill response training seminar will be held during the Year 8 reporting period.  
2/22/2009

Implemented monitoring plan utilizing United States Geological Survey's National Hydrography Dataset (NHD 1:100,000 scale), as is used by Illinois Environmental Protection Agency (IEPA) for development of §303(d) impaired waters list. Monitoring plan revision was necessary because many of the areas defined as Primary DuPage County IDDE Waterways were either not discernable during dry-weather conditions or confined in pipes underground.  
7/21/2009

Certain follow-up monitoring activities were limited due to a shortage of operational Stormwater Management vehicles. Two 2010 Ford Escape Hybrid vehicles were added to the fleet so that interns and staff are able to more successfully monitor dry-weather discharges.  
9/29/2009

### ***C.7: Visual Dry Weather Screening***

DuPage County will keep track of all MS4 outfalls that have been monitored during dry weather. The dry weather screening program will evolve as problem areas are discovered. The eventual goal is to visit all MS4 outfalls within DuPage County. Begin dry weather screening in the summer of 2008. The screening will begin with the outfalls that have the most potential for illicit discharge.

#### **Goals**

#### **Year 1 Milestone(s)**

#### **Summary Date**

Initiated 2009 dry-weather screening with the most upstream portion of mainstem Salt Creek within DuPage County.  
5/20/2009

Completed monitoring activities for the 2009 season. Staff located a total of two hundred fifty-eight (258) outfalls along

thirty-eight (38) river miles of stream, including the following waterways; Salt Creek, Armitage Creek, Spring Brook Creek and its tributaries, West Branch Tributary #2, West Branch Tributary #4, Brewster Creek, and Norton Creek and its tributaries.

8/14/2009

### ***C.8: Pollutant Field Testing***

Once dry weather flow has been tested for pollutants a decision will be made as to what further action should be taken. The pollutant field testing portion of the program will be set up so that tracing efforts are undertaken only when certain trigger levels are met. The trigger levels will be open to change as the program develops. This BMP will be measured by the number of illicit discharges that are located after testing has been done. If field testing continually results in DuPage County staff investigating the storm sewer system but never finding the source of the discharge, the levels will have to be modified. Began dry weather screening in the summer of 2008. Pollutant field testing will be done when warranted.

#### ***Goals***

##### ***Year 1 Milestone(s)***

##### ***Summary Date***

Performed testing at seven (7) discharging outfalls monitored during dry-weather conditions. Analytical values were obtained for the following parameters: pH, temperature, conductivity, specific conductance, salinity, ammonia, fluoride, and surfactants. Monitoring data has been included in the attached Section C.

3/31/2010

### ***D.1: Regulatory Control Program***

The Stormwater Ordinance was revised in February 2006 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). Adopt the DuPage County Water Quality Best Management Practices Technical Guidance Document (BMP Manual) into Appendix E. Adopt revisions to the Stormwater Ordinance to more clearly require new developments to incorporate permanent BMPs that will treat stormwater runoff. Pursue an agreement with IEPA to review development applications for compliance with Section 401 for water quality certification. The County would also like to increase education and training for staff and municipalities in order to promote consistent and effective regulations throughout the County.

#### ***Goals***

##### ***Year 1 Milestone(s)***

##### ***Summary Date***

The revised DuPage County Countywide Stormwater and Flood Plain Ordinance was adopted by the County Board. The revised Ordinance contains erosion and sediment control requirements for construction activities.

3/25/2008

### ***D.2: Erosion and Sediment Control BMPs***

Updating Appendix E to include the BMP Manual was not completed during the previous permit, however the BMP Manual will be completed and adopted into Appendix E during this permit period. The County would like to conduct a series of presentations and seminars that would educate and guide the municipalities within DuPage County on how to regulate the BMP Manual. This would ensure the BMP Manual would be regulated consistently countywide.

#### ***Goals***

##### ***Year 1 Milestone(s)***

##### ***Summary Date***

Adoption of the Water Quality Best Management Practices Technical Guidance. The Water Quality Best Management Practices Technical Guidance, which was incorporated into Appendix E- Technical Guidance for the DuPage Countywide Stormwater and Flood Plain Ordinance at the same time that the Ordinance was revised, promotes avoidance and minimization for construction activities.

3/25/2008

### ***D.4: Site Plan and Review Procedures***

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 Stormwater Administrators (Municipal Engineers) to discuss ordinance related issues ensures the Stormwater Ordinance is implemented consistently, fairly and effectively throughout the County. The Municipal Engineers group will continue to meet during the next permit period. Adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E.

#### ***Goals***

##### ***Year 1 Milestone(s)***

##### ***Summary Date***

Reviewed two (2) special management area construction permit submittals on behalf of the Village of Roselle. 3/31/2010  
Reviewed ten (10) special management area construction permit submittals on behalf of DuPage County Division of Transportation.

3/31/2010

Reviewed eight (8) special management area construction permit submittals on behalf of the Forest Preserve District of

DuPage County.

3/31/2010

Reviewed one (1) special management area construction permit on behalf of the Village of Villa Park. 3/31/2010

Reviewed two (2) special management area construction permit submittals on behalf of Winfield Township. 3/31/2010

Reviewed one (1) special management area construction permit on behalf of the Village of Woodridge. 3/31/2010

Reviewed four (4) special management area construction permit submittals on behalf of the Village of Winfield. 3/31/2010

Reviewed eleven (11) special management area construction permit submittals on behalf of the Village of Wheaton.

3/31/2010

Reviewed four (4) special management area construction permit submittals on behalf of the Village of Westmont.

3/31/2010

Reviewed ten (10) special management area construction permit submittals on behalf of the City of West Chicago.

3/31/2010

Reviewed one (1) special management area construction permit on behalf of the City of Warrenville. 3/31/2010

Reviewed five (5) special management area construction permit submittals on behalf of the City of Darien. 3/31/2010

Reviewed one (1) special management area construction permit on behalf of the Village of Bensenville. 3/31/2010

Reviewed one (1) special management area construction permit on behalf of the Village of Addison. 3/31/2010

Reviewed one (1) special management area construction permit on behalf of the Village of Bartlett. 3/31/2010

Reviewed one (1) special management area construction permit on behalf of the City of Oakbrook Terrace. 3/31/2010

Reviewed two (2) special management area construction permit submittals on behalf of the Village of Clarendon Hills.

3/31/2010

Reviewed two (2) special management area construction permit submittals on behalf of the Village of Bloomingdale.

3/31/2010

Reviewed three (3) special management area construction permit submittals on behalf of the Village of Downers Grove.

3/31/2010

Reviewed six (6) special management area construction permit submittals on behalf of the City of Elmhurst. 3/31/2010

Reviewed four (4) special management area construction permit submittals on behalf of the Village of Itasca. 3/31/2010

Reviewed six (6) special management area construction permit submittals on behalf of the Village of Lisle. 3/31/2010

Reviewed five (5) special management area construction permit submittals on behalf of the Village of Wayne. 3/31/2010

Reviewed eighteen (18) special management area construction permit submittals on behalf of the City of Naperville.

3/31/2010

Reviewed three (3) special management area construction permit submittals on behalf of the Village of Burr Ridge.

3/31/2010

### ***D.5: Public Information Handling Procedures***

Continue to improve and update the Public Outreach Program by integrating new programs and tools to aide the public with knowledge and understanding County Policy and services. Adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E. Continue to field public concerns about proposed developments and implement their concerns in the Stormwater Permit review of the proposed development. Continue to update County website with on-going activities and policies.

#### ***Goals***

#### ***Year 1 Milestone(s)***

#### ***Summary Date***

DuPage County Stormwater Management updated its website. The revised webpages include information regarding construction site storm water runoff control requirements and can be found at

[http://www.dupageco.org/dec/generic.cfm?doc\\_id=4233](http://www.dupageco.org/dec/generic.cfm?doc_id=4233). The referenced site also provides a link where the public can view information pertaining to DuPage County projects disturbing one acre or more.

9/1/2009 conducted approximately two hundred (200) pre-application meetings with potential permit applicants to discuss both construction and post-construction impacts and requirements associated with a project.

3/31/2010

Staffed call center to process and direct citizen complaints pertaining to construction activities and other stormwater related issues.

3/31/2010

### ***D.6: Site Inspection/Enforcement Procedures***

DuPage County has implemented the Govern program to ensure all development and projects have acquired the necessary permits. Ensure staff has proper qualifications to conduct site inspections with respect to sediment and erosion control. Continue to offer employee training on site inspections.

#### ***Goals***

#### ***Year 1 Milestone(s)***

#### ***Summary Date***

Eleven (11) DuPage County stormwater staff members attended Part I of the NPDES Seminar Series, hosted by the Kane-DuPage Soil & Water Conservation District. This Stormwater Pollution Prevention Plan & Inspections Seminar included presentations on the following topics pertaining to construction sites; NPDES overview, Illinois Urban Manual update, SWPPP and Notice of Intent, weekly inspections and reporting, BMP maintenance, and water quality sampling.

11/4/2009

Eleven (11) DuPage County stormwater staff members attended Part II of the NPDES Seminar Series, hosted by the Kane-DuPage Soil & Water Conservation District. This seminar included presentations on the following topics pertaining to construction sites; permit responsibility, incidents of noncompliance, and introduction to USEPA's Final

Rule.

1/6/2010

Initiated enforcement action for six (6) erosion control violations for construction projects located within unincorporated DuPage County, as documented in the inspection database.

3/31/2010

Submitted zero (0) Incidence of Noncompliance (ION) reports for activities pertaining to County construction projects disturbing greater than one acre.

3/31/2010

Conducted erosion control inspections for twenty-six (26) projects located within unincorporated DuPage County, as documented in the inspection database. Inspection is required prior to any excavation or movement of soil. Additionally, all erosion control measures indicated on approved grading plans must be in place and maintained until final grading approval.

3/31/2010

## ***E.2: Regulatory Control Program***

Continuing to regulate the Stormwater Ordinance will reduce post construction runoff pollutants. Implementing and regulating the BMP Manual will reduce post construction runoff pollutants and will ensure discharge from developed sites will be treated. Adopt the DuPage County Water Quality Best Management Practices Technical Guidance Document (BMP Manual) into Appendix E. Adopt revisions to the Stormwater Ordinance to more clearly require BMPs to treat all runoff from new development in DuPage County.

### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

DuPage County Water Quality Best Management Practices Technical Guidance was adopted into Appendix E of the DuPage County Stormwater Management Plan. The updated DuPage County Countywide Stormwater and Flood Plain Ordinance, which includes requirements for water quality BMPs, continue to be enforced. All new development and redevelopment projects for multi-family and commercial sites over 1 acre are required to include BMPs to treat the pollutant load runoff from the entire area being developed. Conveyance BMPs, such as vegetated filter strips, vegetated swales, infiltration systems, permeable pavers, and manufactured structures, and stormwater detention BMPs, such as dry detention basins, wet detention basins, constructed wetland detention basins, underground detention basins, and detention retro-fits, have been outlined in the DuPage County Water Quality Best Management Practices Technical Guidance document.

3/25/2008

The DuPage County Water Quality Best Management Practices Technical Guidance document was incorporated into Appendix E of the DuPage County Stormwater Management Plan.

3/25/2008

Approximately five (5) County staff members, most of whom are involved in permit review, attended SUSTAIN software training offered by USEPA and Tetra Tech. DuPage County hosted the event at the Jack T. Knuepfer Building auditorium. The two-day training event focused on computer modeling for BMP optimization and evaluation along watersheds. The SUSTAIN model utilizes Geographical Information Systems and incorporates cost benefit analysis, design and evaluation of BMPs among various land uses and streams. The workshop included several exercises that highlighted the structure of the BMP software, identifying appropriate BMP sites, defining the data, watershed delineation tools, placement and editing of BMPs along a watershed, creation of BMP templates, defining a routing network, selecting evaluation criteria along with running a simulation of the completed project and viewing the optimization results. Other notable exercise in the workshop were how to develop a cost effectiveness curve for reducing peak flow rates, running an internal land simulation model and using the post-processor tool.

3/22/2010

Commenced review of DuPage County Countywide Stormwater and Flood Plain Ordinance to consider updated regulatory requirements for new development and redevelopment projects.

3/31/2010

## ***E.3: Long Term O&M Procedures***

Currently, the Stormwater Ordinance requires all major and minor Stormwater 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 a maintenance and monitoring plan for the BMPs.

Adopt the DuPage County Water Quality Best Management Practices Technical Guidance Document (BMP Manual) into Appendix E. Adopt revisions to the Stormwater Ordinance to more clearly require BMPs to treat all runoff from new development in DuPage County.

### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Commenced a five-month period of continuous, ambient water quality monitoring throughout DuPage County. County staff maintained Hach DS5X sondes, collecting dissolved oxygen, temperature, pH, and specific conductivity data, at two locations along the West Branch DuPage River, specifically, at McDowell Grove Forest Preserve and the Butterfield Road bridge crossing. Specific conductivity values are used to calculate corresponding chloride concentrations. The sondes have been incorporated into a regional monitoring effort, coordinated by the Salt Creek DuPage River

Workgroup and County staff. Data were used for a comparison of ambient water quality conditions throughout DuPage County to demonstrate the effectiveness that various dam removal projects such as the McDowell Grove dam removal project has had in increasing dissolved oxygen concentrations. The collected data can be used in the various water quality modeling programs, such as SLAMM, WinSLAMM or SUSTAIN, for further analysis, projection or development of future Total Maximum Daily Load (TMDL) waste load allocations.

4/23/2009

Completed construction of the Spring Brook Prairie Wetland Mitigation Project, which was undertaken to compensate for wetland impacts that occurred during various development projects within the County. The project site, totaling thirtythree

acres, is located in Naperville on the south side of 75th Street and Brook Road at the Spring Brook Prairie Forest Preserve. The County's in-lieu of wetland banking funds were utilized for the construction of this project. Construction observation and field surveying verification were implemented in order to coordinate a successful implementation of the wetland mitigation area during construction. The project will continue with vegetation maintenance and monitoring stages, which extends for five years to secure the establishment of the native species in the wetland areas, and includes herbicide application, high-mowing, prescribed burning and alternative natural areas management methods to eliminate invasive weedy species. The maintenance and management on site will be scheduled during times that minimize disturbances to known nesting and provisional habitats for on-site threatened and endangered species list.

9/30/2009

Attendance by eleven (11) staff members, many of whom are directly involved with permit review, at a "Beyond the Basics Best Management Practices" seminar hosted by The Conservation Foundation and partially funded by DuPage County. The seminar included various presentations on BMP operation and maintenance procedures and highlighted several case studies and examples of local projects.

2/18/2010

DuPage County Countywide Stormwater and Flood Plain Ordinance requirements continue to be enforced. All projects that included vegetation or plantings are required by the Ordinance to include at least three years of maintenance and monitoring. Staff inspects projects containing special management areas one or more times a year until all of the performance standards have been met.

3/31/2010

#### ***E.4: Pre-construction Review of BMP Designs***

The DuPage County Water Quality Best Management Practices Technical Guidance Document (BMP Manual) will provide guidance on the design and implementation of development practices that prevent stormwater quality degradation and enhance the overall quality of stormwater. The BMP manual will promote and give guidelines on the installation of vegetated filter strips, vegetated swales, infiltration systems, permeable pavers, manufactured structures, and stormwater detention BMPs such as dry detention basins, wet detention basins, constructed wetland detention basins and underground detention basins. Revisions to the Stormwater Ordinance will more clearly require new developments in DuPage County to incorporate BMPs into their design that will treat all runoff. Further, a water quality fund will be set up to accept fees from applicants who are unable to incorporate BMPs. The water quality fund will be used to fund water quality projects that would not otherwise be required under the Stormwater Ordinance, such as planting an eroding detention basin with native vegetation, restoring a wetland, or stabilizing a streambank. Revisions will also be made to more clearly require that a security is collected to aid in the enforcement of the proper construction and maintenance of BMPs.

Adopting the DuPage County Water Quality Best Management Practices Technical Manual (BMP Manual) into Appendix E. DuPage County will offer staff training opportunities to municipalities and consultants in the review and design of permanent BMPs. Continue to enforce the new Stormwater Ordinance provisions.

#### ***Goals***

##### ***Year 1 Milestone(s)***

##### ***Summary Date***

Partially funded, at a maximum of 20% the water quality related project costs and totaling \$411,454.41, six (6) Water Quality Improvement Grant (WQIG) projects. The funding included design, construction and maintenance and monitoring costs. The water quality projects that received funding through the WQIG program included habitat restoration, a park lagoon renovation, a detention pond retrofit, construction of various BMPs such as a permeable paver parking lot, bioswales, naturalized detention basin and green roof at a local middle school, detention pond shoreline restoration, and an outlet channel rehabilitation municipal project. The recipients of the (WQIG) program funding were Bloomingdale Township, Wheaton Park District, business owner of Cress Creek Square Shopping Center, Hubble Middle School, Glen Ellyn Raintree Condominium Association, and the Village of Glen Ellyn.

4/14/2009

Reviewed sixty (60) permit submittals for unincorporated DuPage County in as required by the DuPage County Countywide Stormwater and Flood Plain Ordinance.

8/1/2009

Eleven (11) County staff members attended a "Beyond the Basics BMP" seminar, held in Woodridge and partially funded by DuPage County. In the seminar various speakers presented on practical and exceptional BMP designs.

2/18/2010

Reviewed, in response to municipal requests, six (6) permit submittals for incorporated areas of DuPage County.

3/31/2010

Permitting staff reviewed six (6) Corps general permits number 25, resulting from the Re-Issuance of the U.S. Army Corps of Engineers (USACOE) General Permit Number 25. This general permit has given the County the authority to make decisions involving wetland resources within its boundaries, and streamlines the regulatory process by eliminating the duplication of regulatory review at different government levels. The G.P. 25, permit has allowed DuPage County to integrate local wetland resource concerns into other water-related issues such as flood control, wildlife habitat concerns, preservation and restoration of riparian corridors, stormwater storage, and water quality county long-term planning. The ability to obtain 401 Water Quality certification from the IEPA along with a Corps Permit, while obtaining a County Stormwater Management Permit simplifies the regulatory process for the public.

3/31/2010

### ***E.5: Site Inspections During Construction***

During this five-year permit phase, EDP will ensure that all inspection staff recognize inappropriate construction site discharge and proper regulatory procedures for amending the violation. Incidents of Non-Compliance may be issued for a site if the infraction meets the reporting criteria. The Village will also ensure that its field staff are aware of these issues. Continue to conduct regular site inspections during construction. Conduct staff training on recognizing inappropriate discharge from a construction site.

#### ***Goals***

#### ***Year 1 Milestone(s)***

#### ***Summary Date***

Inspection of post-construction runoff controls during the construction phase are inspected as a result of complaints or at the discretion of the stormwater permit reviewer. Permitting staff will check the construction sites for consistency with their stormwater permit design submittal and SWPP plan.

3/31/2010

### ***E.6: Post Construction Inspections***

Update Appendix E to include a technical guidance document for post-construction BMPs (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 Stormwater Ordinance will require that all BMPs are maintained according to a maintenance plan or as necessary.

Adopt the DuPage County Water Quality Best Management Practices Technical Guidance Document (BMP Manual) into Appendix E. Adopt revisions to the Stormwater Ordinance to more clearly require BMPs to treat all runoff from new development in DuPage County. Continue to offer employee training on site inspections.

#### ***Goals***

#### ***Year 1 Milestone(s)***

#### ***Summary Date***

Inspected one (1) wetland mitigation site in the Village of Bartlett after construction of the project was completed.

3/31/2010

Inspected one (1) wetland mitigation site in the Village of Hinsdale after construction of the project was completed.

3/31/2010

Reported twenty-two (22) wetland violations in unincorporated areas of DuPage County that are in litigation or pending resolutions to the existing violations.

3/31/2010

Inspected three hundred seventy-four (374) buffer and riparian enhancement and naturalized basin projects post construction within DuPage County during the reporting period to ensure that applicant had met all permit requirements for enhancement areas.

3/31/2010

Inspected one (1) wetland mitigation site in the Village of Darien after construction of the project was completed.

3/31/2010

Inspected four (4) wetland mitigation sites in unincorporated DuPage County after construction of the project(s) was completed.

3/31/2010

Inspected one (1) wetland mitigation site in the Village of Bensenville after construction of the project was completed.

3/31/2010

Inspected one (1) wetland mitigation site in the Village of Downers Grove after construction of the project was completed.

3/31/2010

Inspected one (1) wetland mitigation site in the Village of Warrenville after construction of the project was completed.

3/31/2010

Inspected two (2) wetland mitigation sites on Forest Preserve property after construction of the project(s) was completed.

3/31/2010

Inspected three (3) wetland mitigation sites in the Village of West Chicago after construction of the project(s) was completed.

3/31/2010

Inspected one (1) wetland mitigation site in the Village of Glendale Heights after construction of the project was completed.

3/31/2010

Inspected two (2) wetland mitigation sites in the Village of Woodridge after construction of the project(s) was completed.

3/31/2010

Inspected two (2) wetland mitigation sites in the Village of Westmont after construction of the project(s) was completed.

3/31/2010

Inspected one (1) wetland mitigation site in the Village of Itasca after construction of the project was completed. 3/31/2010

Inspected one (1) wetland mitigation site in the Village of Elk Grove after construction of the project was completed.

3/31/2010

Inspected six (6) wetland mitigation sites in the Village of Naperville after construction of the project(s) was completed.

3/31/2010

Inspected one (1) wetland mitigation site in the Village of Wayne after construction of the project was completed.

3/31/2010

Inspected two (2) wetland mitigation sites in the Village of Glen Ellyn after construction of the project(s) was completed.

3/31/2010

Inspected one (1) wetland mitigation site in the Village of Winfield after construction of the project was completed.

3/31/2010

### ***F.1: Employee Training Program***

The Water Quality Stakeholders 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 Water Quality Stakeholder discussions will be shared with Public Works, DuDOT and the Municipal Engineers for collaborative efforts with the on-going pollution prevention training of County staff. A good housekeeping pollution prevention workshop will be conducted by the Conservation Foundation for staff, municipal employees, grounds maintenance and landscaping field staff, and field staff managers that target Public Works and Transportation Departments. Copies of the power point presentation from this good housekeeping training seminar will be distributed through our County website to continue educating staff that does not attend the seminar. It will also provide information to the general public on pollution prevention best management practices. Attendees will be asked to complete a session evaluation as well as submit suggestions for improvements.

#### ***Goals***

#### ***Year 1 Milestone(s)***

#### ***Summary Date***

The highway maintenance coordinator at the Division of Transportation maintenance facility obtained his Resource Conservation and Recovery Act (RCRA) compliance certification to sign off on solid and hazardous waste disposal plans. The RCRA compliance certification is valid for three years and addresses problems caused by municipal and industrial waste operations, which include ensuring that waste are managed in an environmentally conscience manner and protecting the environment from the potential hazards of waste disposal.

5/16/2008

Six (6) personnel from the Knollwood and Woodridge Greene Valley wastewater treatment plants attended four days ofvarious training on wastewater operations and new technology at the Illinois Association of Water Pollution Control Operators Conference. Additional staff from those plants, as well as the County's third sewage treatment plant (Nordic), attended various training events during the reporting period.

4/1/2009

Two (2) Public Works employees attended the four-day Water Environment Federation annual Nutrient Removal Conference in Washington, DC. The conference, organized for professionals in the water and wastewater industries, included a technical exhibition, comprehensive seminars, and a tradeshow event. A wide range of water topics were discussed with an emphasis on nutrient removal processes.

6/28/2009

One (1) staff member attended a Class Four Operators correspondence course at California State University through the Sacramento Operator Training Program.

7/1/2009

One (1) staff member enrolled in a semester long Class Four Wastewater Operators course at Joliet Junior College.

8/24/2009

Seventy (70) members of the DuDOT maintenance yard facility staff and ground crew attended a Statewide Hazardous Materials First Responder Awareness course organized through Illinois Emergency Management Association (IEMA) and hosted at the DuDOT maintenance facility building.

9/18/2009

Twelve (12) DuDOT road maintenance staff attended the Public Agency Deicing Workshop at the Arrowhead Golf Club in Wheaton. Topics discussed at the seminar included a regulatory overview on deicing practices, pre-wetting practices, and an overview on new deicing products and equipment. The training finished up with a on-site display of local agency trucks and equipment, some of which are owned and operated by DuDOT. The DuDOT maintenance highway supervisor presented at this seminar on pre-wetting practices and winter operations.

9/24/2009

One (1) staff member enrolled in an 8-week long course, Introduction to Green Roofs, at the College of DuPage. The class included lessons on the basic design, construction and maintenance of green roofs.

10/26/2009



## ***F.2: Inspection and Maintenance Program***

Develop and implement an operation and maintenance program to prevent or reduce pollutant runoff from municipal operations to the storm sewer system. Complete Unincorporated Municipal Separate Storm Sewer (MS4) Outfall storm sewer mapping in conjunction with the Illicit Discharge Detection and Elimination component. Improve communications between the DuPage County's Storm Water Management, Public Works Department and Division of Transportation in order to run the good housekeeping pollution prevention program more effectively. Coordinate procedural development recommendations with the water quality stakeholders group and municipal engineers for inspection and maintenance of government-owned stormwater facilities, and buildings and grounds. Continue Stream Maintenance program. The Village continues to implement its storm water facility inspection program, which inspects approximately 1/5 of these facilities every season and identifies issues pertaining to health and safety.

### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Established a "Maintain the Drain" program to educate homeowners on maintenance responsibilities for storm sewer systems, the benefits of cleaning up their storm drains for flood damage prevention and routine storm sewer inlet upkeep. Complimentary rakes and leaf bags were provide to the municipalities, homeowners, and homeowner associations within DuPage County to assist residents with keeping their drains, culverts and inlets clear of debris and leaves and thereby preventing storm drain blockages and pollution during storm events. Brochures to advertise the program were provided to various home owner associations (HOAs) around the County and will be distributed throughout the year at different County and community events. To date, approximately four hundred (400) brochures have been distributed to various HOAs.

11/5/2009

Completed design plans to construct a permeable paver parking lot at the existing DuPage County Division of Transportation maintenance yard facility grounds. The construction of the permeable paver parking lot is projected to be installed in 2011. The retrofitted pervious parking lot will aid DuDOT with their conservation efforts to continue to reduce their salt usage thereby minimizing the use of chlorides and other pollutants when practicable and reducing runoff into the storm sewer systems.

2/26/2010

Continued pollution prevention measures, including: (1) Use of oil separators adjacent to gas pumps, the garage and maintenance facilities. The media filters are also equipped with alarms; (2) Operation of three vacuum trucks, which are used and operated for street sweeping three times a year; (3) The catch basins are cleaned once or twice a year. There are baskets strategically placed in the County owned catch basins to prevent contaminants from entering the storm sewer as a first line of defense. In addition to the baskets, triple basin separators have also been installed as a second line of defense for pollution prevention; and (4) DuPage County owns two vactor trucks for use in municipal operations. The sludge and solid waste collected from the vactor and vacuum trucks are taken to a approved landfill site.

3/31/2010

During the 2009-2010 winter season, approximately 21,579 tons of salt was used to treat the roads with the continued use of the alternative deicing best management practices compared to the 26,816 tons of salt usage during the 2008-2009 winter season. Through the use of treated salt and geomelt product, DuDOT was able to achieve up to a 30% reduction in application rate in comparison to non-treated salt usage. The salt at the DuPage County maintenance facility is stored securely in large salt domes, which are cleaned routinely. The liquids are also stored in appropriate receptacles. DuDOT has extended the alternative deicing programs and products to the nine townships in DuPage County. Milton and Naperville Townships have purchased supermix from DuDOT for use in their own winter storm operations.

3/31/2010

DuDOT currently owns and operates nine (9) stormceptor structural BMPs in Bartlett and Oak Brook. The stormceptors were installed at two locations, one along Stems Road and the other at IL 31/Oak Brook Road to capture sediments, oil, grease and other contaminants entering the storm sewer inlets caused by runoff along the roadway. The stormceptors at Stems Rd. were originally installed in 1997 and the stormceptors at 31st were installed in 2002. The stormceptor devices are also practical for spill prevention by collecting pollutant substances from spill incidents along the roads. Regular cleaning of the stormceptor storage compartments are included as part of DuDOT's operation and maintenance program, which includes cleaning by an independent company once every two years.

3/31/2010

## ***F.4: Municipal Operations and Waste Disposal***

Develop procedures for properly disposing of waste removed from the separate storm sewers and areas such as dredge spoil, accumulated sediments, floatables, and other debris. Improve communications between the DuPage County's Storm Water Management, Public Works Department, and DuPage Division of Transportation to run the good housekeeping pollution prevention program more effectively.

### ***Goals***

#### ***Year 1 Milestone(s)***

##### ***Summary Date***

Collected, through an agreement with SIMS Recycling Solutions to provide drop off locations to municipalities throughout the County at no cost to the residents, approximately 1.5 million pounds of electronics in 2009. The Village of Addison also operated a drop off center for recycling. Thirteen additional electronic recycling events were held throughout DuPage County in 2009 that resulted in a total of 803,019 pounds of electronics collected.

12/31/2009

Collected 5,655 gallons of latex paint through the DuPage County Latex Paint Recycling Program. The County recovered and re-blended 2,465 gallons of the paint for reuse while the paint determined to not be recyclable was disposed of properly by the IEPA.

12/31/2009

Initiated a Commercial Recycling Program to help encourage businesses, including municipal buildings, commercial businesses, schools, universities, churches and haulers, to recycle their waste. The waste ranged from office waste to construction and demolition debris. The Office of Green Initiatives was available to provide businesses with recycling advice and consultations.

1/4/2010

Through a water quality education contract with The Conservation Foundation (TCF), the County helped to fund the storm drain stenciling program. 306 volunteers posted 2,520 door hangers and stenciled 1,292 storm drains to visually remind residents and the general public not to dump substances down the drain that will ultimately reach the local streams and degrade the water quality. Storm drain stenciling occurred in Addison, Bartlett, Carol Stream, Downers Grove, Hanover Park, Naperville, Naperville Township and Winfield. While Addison, Bolingbrook, Elmhurst, Lisle, Westmont, and Wheaton are implementing permanent drain covers for pollution control, these communities also continue to benefit from volunteers hanging door hangers.

3/31/2010

Established an RxBox medication disposal program, which was developed by DuPage County and the Illinois Environmental Protection Agency. The medication program is a collaborative effort with several municipalities in DuPage County to dispose of unwanted or unused medications properly. A total of eighty-two (82) gallons and 243 pounds of unwanted medicines were collected in 2009 and 120 pounds of medications in 2010, so far. The medications collected were then taken to an incinerator where they were disposed of properly. There have been water quality studies completed that have shown that medications that enter the streams may have an impact on the development of aquatic life species and the public well being.

3/31/2010

Collected 38,030 gallons of household hazardous waste through the various county Green Initiatives Household Hazardous Waste collection events. In 2009, 206,457 tons of refuse were collected in DuPage County, out of which 72,226 tons were recycled and 43,894 tons was categorized as landscape waste. The following list of organizations provided data for our solid waste and recycling annual report and participated in our recycling programs. This list includes, the Villages of Carol Stream, Bloomingdale, Lisle, Oakbrook Terrace, Lisle Township, Winfield Township, Milton Township, City of Wheaton, Fermi lab, Veolia Environmental Services, Waste Management and Allied Waste. The total amounts collected from the above organizations was 37,194 tons of recyclables from the 430,349 tons of waste that were collected.

3/31/2010

Cleaned approximately three (3) river miles of stream were cleared of debris, including Salt Creek, East Branch DuPage River, West Branch DuPage River, and their tributaries; Glen Park Channel, two unnamed tributaries to Spring Brook Creek, Winfield Creek, Kress Creek, unnamed tributary to West Branch DuPage River, Ferry Creek, Spring Brook #1, and St. Joseph Creek. Debris from a stretch of an unnamed tributary to Norton Creek, which is a tributary to the Fox River, was cleared, as well. DuPage County currently operates the Stream Maintenance Program to provide assistance in situations where the magnitude of a stream blockage, due to accumulation of timber debris, presents a flow obstruction and flood potential for a number of properties in the area.

3/31/2010

### ***F.5: Flood Management/Assess Guidelines***

Continue to adopt watershed plans for watersheds in DuPage County. Update existing hydraulic models for use in future planning and floodplain mapping efforts. Continue to make revisions to the DuPage County Countywide Stormwater and Flood Plain Ordinance as necessary. Continue on-going efforts to ease flooding and flood damages to the maximum extent practicable. Begin to audit non-waiver, partial-waiver and complete waiver communities again in DuPage County for compliance with Appendix F. Submit floodplain maps using the County's HSPF/FEQ/PVSTATS methodology are to be submitted to FEMA for review and approval. Mandatory review and comment periods will be established by FEMA. Corrections and updates will be made to the DFIRM maps and the dual-county issues will be resolved. Adoption of the Spring Brook No. 1 Watershed Plan. Adoption of the St. Joseph Creek Watershed Plan. Adoption of the Best Management Practices Guidance Manual along with the ordinance revisions that are associated with this document. Review and revise, as needed, Appendix F and other related appendices.

Complete Phase II of the River Dumoulin Project.

Construct the Marion Hills/75th Street Basin Project.

Complete the installation of the Country Lakes Golf Course storm inlet to the new storm sewer system.

Implement the

recommendations in the Springbrook Creek Watershed Plan.

Execute contract that will provide for vegetative maintenance and enhancements at many of the County's existing flood control facilities.

Construct the Busse Woods Dam Modifications Project.

Construct the other NOAA projects. Construct the Huffman Street project in the Steeple Run Watershed.

Randomly audit non-waiver, partial-waiver and complete waiver communities again in DuPage County for compliance with Appendix F. Salt Creek mainstem and its tributaries including Ginger, Sugar, Oak Brook Tributary, Bronswood Cemetary Tributary, Westwood Creek and Spring Brook. Steeple Run Tributary. Sawmill Creek Tributary. Kress Creek Tributary. Spring Brook No. 1 Tributary. Armitage Creek Tributary. Corrected and updated DFIRM maps will be approved and adopted by FEMA.\

## **Goals**

### **Year 1 Milestone(s)**

#### **Summary Date**

Completed City of Warrenville full waiver audit. The audit was initiated in August of 2008 and completed in April 2009. The results of the community audit found that the City of Warrenville demonstrated an acceptable level of performance with regards to implementation of the DuPage County Countywide Stormwater and Flood Plain Ordinance; therefore, Warrenville was granted a full waiver status from their previous partial waiver status by DuPage County.

4/1/2009

Initiated contract to develop addendum to the West Branch DuPage River Watershed Plan. 4/14/2009

Began operation of the Spring Creek Reservoir Flood Control Facility for the duration of a seven (7) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

4/26/2009

Began operation of the Fawell Dam Flood Control Facility for the duration of a seven (7) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

4/26/2009

Initiated a contract with the United States Geological Survey (USGS) to develop a flood forecasting model for the West Branch DuPage River.

5/1/2009

Initiated contract to develop addendum to the Spring Brook Watershed Plan which, in addition to aspects of water quantity control, will include water quality and streambank stabilization components.

5/12/2009

Began operation of the Spring Creek Reservoir Flood Control Facility for the duration of a three (3) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

6/19/2009

Began operation of the Elmhurst Quarry Flood Control Facility for the duration of a one (1) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

6/19/2009

Began operation of the Fawell Dam Flood Control Facility for the duration of a three (3) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

6/19/2009

Initiated development of the Sugar Creek Watershed Plan by contracting with a consultant to analyze various alternative to reduce or eliminate flood damages along Sugar Creek and its tributaries.

8/4/2009

Began operation of the Fawell Dam Flood Control Facility for the duration of a three (3) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

10/29/2009

Began operation of the Spring Creek Reservoir Flood Control Facility for the duration of a three (3) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

10/29/2009

Constructed Phase 3A of the Huffman Street Project in the Steeple Run Watershed. This phase included the installation of a bypass culvert leading from the Country Commons basin, under Huffman Street and discharging just downstream of Chicago Avenue, as well as reconstruction of the headwall at Chicago Avenue.

10/31/2009

Developed McDowell Grove Annual Vegetative Performance Monitoring Report, which assessed whether the performance of the vegetation met United States Army Corps of Engineers (USACOE) standards for that monitoring period.

11/1/2009

Developed the Vernal Pools 2009 Annual Monitoring Report, which assessed observed aquatic and vegetative species against project goals.

12/1/2009

Developed the Deep Pool 2009 Annual Monitoring Report, which assessed observed aquatic and vegetative species against project goals. The surveyed acreage of the restoration habitat pond for the Deep Over Wintering pool was 6.2 acres of open water habitat.

12/1/2009

Adopted the Brewster Creek Headwaters Interim Watershed Plan. The watershed plan includes information on watershed hydrology and hydraulic characteristics, existing flooding and drainage patterns, proposed conveyance improvements, proposed regional storage, and water quality basins.

12/1/2009

Initiated contract to develop addendum to the Klein Creek Watershed Plan with a consultant to include recommended flood control alternatives, including a modified operation at the Gary/Kehoe Reservoir to address the widespread flooding that occurred in September 2008 storm event.

12/1/2009

Began operation of the Fawell Dam Flood Control Facility for the duration of a three (3) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

12/25/2009

Began operation of the Spring Creek Reservoir Flood Control Facility for the duration of a three (3) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

12/25/2009

Began operation of the Wood Dale Itasca Flood Control Facility for the duration of a three (3) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

1/19/2010

Began operation of the Fawell Dam Flood Control Facility for the duration of a two (2) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

1/24/2010

Began operation of the Spring Creek Reservoir Flood Control Facility for the duration of a two (2) day storm event to control flood elevations, flood damages, and to minimize environmental impacts to the streambanks and reduce sediment load transport that can degrade the water quality and pollutant load runoff into storm sewer systems.

1/24/2010

Completed design and submitted permit for the Churchill Woods Dam Removal Project. The project is designed to remove a low head dam in the East branch DuPage River to improve dissolved oxygen concentrations and habitat function upstream of the dam.

2/12/2010

Contracted for vegetative maintenance and enhancements at the County's existing flood control facilities as part of ongoing flood management and maintenance practices.

2/23/2010

Seventeen (17) staff members attended a two-day annual Illinois Association for Floodplain and Stormwater Management (IAFSM) Conference in Tinley Park, IL. Various floodplain, stormwater management and water quality topics were highlighted at the conference. Presentation topics included stormwater BMP's for the promotion of green infrastructure, wetland restoration and design, stormwater case studies, forecasting, local regulatory programs, floodplain mapping, mitigation planning, hydrologic and hydraulic modeling, dam modification projects, and climate change were presented. The County's outreach attempts to increase public involvement through the use of the internet during the Ordinance update process through the County's website and blog page was one of the presentations held at this year's conference. This public involvement presentation on ordinance development was given by the County's stormwater permitting manger.

3/10/2010

Completed installation of the Country Lakes Golf Course storm inlet to the new storm sewer system to ease flooding and flood damages to the maximum extent practicable.

3/19/2010

## ***Annual Facility Inspection Report - Section C***

***Year 7 of NPDES Permit No. ILR400378 Village of Lombard, 2nd Notice of Intent (Year 1)***

Monitoring data are still being compiled and will be included before the final draft is submitted to Illinois Environmental Protection Agency (IEPA) staff.

## ***Year 7 - Section D Annual Facility Inspection Report - Section D***

***Year 7 of NPDES Permit No. ILR400378 Village of Lombard, 2nd Notice of Intent (Year 1)***

### ***BMP A.1: Distribution of Paper Material***

*Year 2* Develop water quality information to fit the needs of the Stormwater Management Program. Update stream maintenance program brochure. Create County fact sheet and produce quarterly issues of Currents.

### ***BMP A.2: Speaking Engagement***

*Year 2* DuPage County will hire a Public Information Manager (PIM) who will seek speaking opportunities with local interest groups (such as local Rotary Clubs, Lyons Club, Homeowner's Associations, etc.).

### ***BMP A.3: Public Service Announcement***

*Year 2* Create and air a 30 second public service announcement.

### ***BMP A.4: Community Event***

*Year2* Participation by the Public Information Manager at local community events.

### ***BMP A.5: Classroom Education Material***

*Year2* Continue the development of education materials, and sponsorship of environmental clubs. Review and update classroom education materials as necessary.

### ***BMP A.6: Other Public Education***

*Year2* County will create a Public Information Manager position.

*Friday, April 30, 2010 Page 1 of 6*

### ***BMP B.1: Public Panel***

*Year2* Review and update public panel information.

### ***BMP B.3: Stakeholder Meeting***

*Year2* Continue support of the Municipal Engineers and Water Quality Stakeholders Groups.

### ***BMP B.4: Public Hearing***

*Year2* Continue to implement updates and review all amendments to appendices of the DuPage County Stormwater Management Plan. Hold public hearings as necessary for any ordinance changes, watershed plan development or addendum, or variance request.

### ***BMP B.5: Volunteer Monitoring***

*Year2* Continue support for volunteer monitoring opportunities.

### ***BMP B.6: Program Coordination***

*Year2* Creation of Public Information Manager position by the County.

### ***BMP B.7: Other Public Involvement***

*Year2* Continue support for programs while also reviewing potential public involvement programs and their feasibility.

### ***BMP C.1: Storm Sewer Map Preparation***

*Year2* Incorporate new outfall and storm sewer information into the GIS database. Field inspectors will continue to verify the locations and attribute information of the outfalls within the GIS database.

*Friday, April 30, 2010 Page 2 of 6*

### ***BMP C.2: Regulatory Control Program***

*Year2* Review the effectiveness of the program by evaluating how well the cooperating permit holders have communicated and exchanged information.

### ***BMP C.3: Detection/Elimination Prioritization Plan***

*Year2* Priority outfalls will continue to be monitored.

### ***BMP C.4: Illicit Discharge Tracing Procedures***

*Year2* Continue tracing any illicit discharges detected. Make recommendations as to which tracing methods have proven to be the most effective.

### ***BMP C.5: Illicit Source Removal Procedures***

*Year2* Continue tracing any illicit discharges detected. Make recommendations as to which tracing methods have proved the most effective. Review the status of all illicit discharges discovered. Enforce the removal of illicit discharges.

### ***BMP C.6: Program Evaluation and Assessment***

*Year2* Review year one of the IDDE program and report the results to the Stormwater Management Committee.

### ***BMP C.7: Visual Dry Weather Screening***

*Year2* Continue to dry weather screen throughout the year.

### ***BMP C.8: Pollutant Field Testing***

*Year2* Continue to test for pollutants during the dry weather survey.

### ***BMP D.1: Regulatory Control Program***

*Year2* Adopt updated Stormwater Ordinance to implement changes that incorporate the DuPage County Water Quality Best Management

Practices Technical Manual (BMP Manual). The County would also like to increase education and training for staff and municipalities in order to promote consistent and effective regulations throughout the County.

### ***BMP D.2: Erosion and Sediment Control BMPs***

*Year2* The County would like to conduct a series of presentations and seminars that would educate and guide the municipalities within DuPage County 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.

#### ***BMP D.4: Site Plan and Review Procedures***

*Year2* Adopt updated DuPage County Countywide Stormwater and Flood Plain Ordinance to implement changes that incorporate the Water Quality Best Management Practices Technical Guidance manual.

#### ***BMP D.5: Public Information Handling Procedures***

*Year2* Adopt updated the DuPage County Countywide Stormwater and Flood Plain Ordinance to implement changes that incorporate the Water Quality Best Management Practices Technical Guidance 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 County website with on-going activities and policies.

#### ***BMP D.6: Site Inspection/Enforcement Procedures***

*Year2* Ensure staff has proper qualifications to conduct site inspections with respect to sediment and erosion control. Continue to offer employee training on site inspections.

#### ***BMP E.2: Regulatory Control Program***

*Year2* DuPage County will offer staff training opportunities where they will be able to review and learn new methods of their evolving fields.

#### ***BMP E.3: Long Term O&M Procedures***

*Year2* Continue to enforce the DuPage County Countywide Stormwater and Flood Plain Ordinance.

#### ***BMP E.4: Pre-construction Review of BMP Designs***

*Year2* DuPage County will offer staff training opportunities to municipalities and consultants in the review and design of permanent BMPs. Continue to enforce the new DuPage County Countywide Stormwater and Flood Plain Ordinance provisions.

#### ***BMP E.5: Site Inspections During Construction***

*Year2* Continue to conduct regular site inspections during construction. Conduct staff training on recognizing inappropriate discharge from a construction site.

#### ***BMP E.6: Post Construction Inspections***

*Year2* Continue to offer employee training on site inspections.

#### ***BMP F.1: Employee Training Program***

*Year2* Improve communications between County divisions including Stormwater Management, Public Works, and Transportation in order to run the good housekeeping pollution prevention program more effectively.

#### ***BMP F.2: Inspection and Maintenance Program***

*Year2* Public Works Drainage Sub-Division will prioritize and develop procedures for unincorporated MS4 storm sewer outfall inspections to be implemented the following year. Division of Transportation will continue incorporating the use of organic road salt alternatives for roadway deicing such as a supermix of beet juice, calcium chloride and salt brine on roads, sidewalks and parking lots as deemed appropriate and study its effectiveness and impact on surface water. County facilities will submit record keeping of pollution prevention and good housekeeping activities for annual reporting. Continue stream maintenance program.

#### ***BMP F.4: Municipal Operations and Waste Disposal***

*Year2* Promote green practices for landscaping and recreational areas by surveying parks, and waterfronts to minimize the use of fertilizer and pesticides, encourage the use of native vegetation, management of trash and pet wastes, and management of landscape waste.

#### ***BMP F.5: Flood Management/Assess Guidelines***

*Year2* Adoption of the Spring Brook No. 1 Watershed Plan. Adoption of the St. Joseph Creek Watershed Plan. Adoption of the Water Quality Best Management Practices Technical Guidance manual along with the DuPage County Countywide Stormwater and Flood Plain Ordinance revisions that are associated with the document. Review and revise, as needed, Appendix F and other related appendices. Complete Phase II of the River Dumoulin Project. Construct the Marion Hills/75th Street Basin Project. Complete the installation of the Country Lakes Golf Course storm inlet to the new storm sewer system. Implement the recommendations in the Springbrook Creek Watershed Plan. Execute contract that will provide for vegetative maintenance and enhancements at many of the County's existing flood control facilities. Construct the Busse Woods Dam Modifications Project. Construct the other NOAA projects. Construct the Huffman Street project in the Steeple Run Watershed. Randomly audit non-waiver, partial-waiver and complete waiver communities again in DuPage County for compliance with Appendix F. Continue floodplain mapping efforts for Salt Creek mainstem and its tributaries including Ginger, Sugar, Oak Brook Tributary, Bronswood Cemetary Tributary, Westwood Creek and Spring

Brook; Steeple Run Tributary; Sawmill Creek Tributary; Kress Creek Tributary; Spring Brook No. 1 Tributary; and Armitage Creek Tributary. Corrected and updated DFIRM maps will be approved and adopted by FEMA.

## ***Annual Facility Inspection Report - Section E***

***Year 7 of NPDES Permit No. ILR400378 Village of Lombard, 2nd Notice of Intent (Year 1)***

The 40 cooperating permit holders listed in the cover letter rely on established DuPage County programs to satisfy some of their General NPDES Permit No. ILR40 obligations for the six minimum control measures: Public Education and Outreach, Public Participation/Involvement, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Runoff Control, and Pollution Prevention/Good Housekeeping.

## ***Annual Facility Inspection Report - Section F***

***Year 7 of NPDES Permit No. ILR400378 Village of Lombard, 2nd Notice of Intent (Year 1)***

### **Village of Lombard Projects:**

<b>Location/Project Name</b>	<b>Category</b>	<b>Start Date – End Date</b>
<b>NE Lombard Area Improvements (Lombard Lagoon)</b>	<b>Pavement &amp; Drainage</b>	<b>Mar 09 – Jan 10</b>
<b>Main Street LAPP and Street Lighting</b>	<b>Pavement &amp; Drainage</b>	<b>Jan 08-Jan 09</b>
<b>101 South Main Remed Ph 2</b>	<b>Pavement</b>	<b>Apr 09 – Aug 09</b>
<b>South Booster Station and Watermain Transmission</b>	<b>Utilities</b>	<b>May 08 – Mar 10</b>
<b>Village Complex Paving</b>	<b>Pavement</b>	<b>Sept 08 – Jun 09</b>
<b>Olde Towne East, Ph 4</b>	<b>Pavement &amp; Drainage</b>	<b>Mar 09 – Dec 09</b>