



**DUPAGE
COUNTY**

Watershed
Management

Water
Quality

Floodplain
Mapping

Regulatory
Services

Flood Operations
& Maintenance



STORMWATER MANAGEMENT

630-407-6700
stormwatermgmt@dupageco.org

www.dupageco.org/swm

May 31, 2016

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
Municipal Annual Inspection Report
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Re: AFIR for NPDES Phase II MS4 General Stormwater Permit Year 13,
Second Notice of Intent Year 7

Enclosed is the County of DuPage's Annual Facility Inspect Report (AFIR) for the National Pollutant Discharge Elimination System Phase II MS4 General Stormwater Permit ILR40 for permit year 13. This report includes activities that were undertaken and achieved for all of DuPage County. Thirty-two municipalities and nine township highway districts have chosen to participate as cooperating permit holders in our countywide local qualifying effort for this permit program as requested by the IEPA Division of Water Pollution Control Permit Section to meet the six control measures of 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 for Municipal Operations.

The following list of county, municipalities, and township highway districts permit numbers are included as participating in the enclosed report of permit achievements for the 13th year of the permit term:

<u>Municipality</u>	<u>ILR40 MS4 Permit #</u>
DuPage County	0502
Village of Addison	0227
Village of Bartlett	0286
Village of Bensenville	0292
Village of Bloomingdale	0295
Village of Carol Stream	0308
Village of Clarendon Hills	0175
City of Elmhurst	0187
Village of Glen Ellyn	0199
Village of Glendale Heights	0342
Village of Hinsdale	0355
Village of Lemont	0497
Village of Lombard	0378
City of Naperville	0396
Village of Oak Brook	0407
City of Oakbrook Terrace	0232
Village of Wayne	0500



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City of West Chicago	0466
City of Wheaton	0470
Village of Winfield	0474
Village of Woodridge	0480

Township Highway/Road Districts

Bloomington Township Highway Department	0013
Downers Grove Township Highway Department	0040
Lisle Township Highway Department	0079
Milton Township Highway Department	0086
Naperville Township Highway Department	0092
Wayne Township Highway Department	0149
Winfield Township Highway Department	0155

Additional AFIRs will be submitted electronically, as they are received, for the remaining municipalities that may not have submitted their AFIRs directly to the Agency. The AFIRs, for year 13, of the municipalities that were not included in this first submittal, but may have already been sent out to IEPA individually, are:

<u>Municipality</u>	<u>ILR 40 MS4 Permit #</u>
Village of Burr Ridge	0304
City of Darien	0180
Village of Downers Grove	0183
Village of Hanover Park	0347
Village of Itasca	0360
Village of Lisle	0376
Village of Roselle	0437
Village of Villa Park	0463
City of Warrenville	0274
Village of Westmont	0254
Village of Willowbrook	0255
Village of Wood Dale	0478

Township Highway/Road Districts

Addison Township Highway Department	0001
York Township Highway Department	0159

If you have any questions about the information contained within the attached annual report submittal, please call (630) 407-6720.

Regards,

Anthony J. Charlton, P.E.
Director, Stormwater Management





Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2015 To March, 2016

Permit No. ILR40 400502

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

Name: DuPage County Mailing Address 1: 421 N. County Farm Road
Mailing Address 2: _____ County: DuPage
City: Wheaton State: IL Zip: 60187 Telephone: 630-407-6700
Contact Person: Anthony J. Charlton, P.E. Email Address: Charlton@dupageco.org
(Person responsible for Annual Report)

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

Unincorporated 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.

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


Owner Signature:

Anthony J. Charlton, P.E.
Printed Name:

5-31-16
Date:

Director, Stormwater Management
Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

Annual Facility Inspection Report - Section A

Year 13 of NPDES Permit No. ILR400502

DuPage County, 2nd Notice of Intent (Year 7)

No changes were made during this reporting year to the best management practices that were outlined in DuPage County's Notice of Intent, dated 2/28/2008, to obtain coverage under General NPDES Permit No. ILR40.

Annual Facility Inspection Report - Section B

Year 13 of NPDES Permit No. ILR400502

DuPage County, 2nd Notice of Intent (Year 7)

A.1: Distribution of Paper Material

Goals

Continue to distribute brochures previously developed by the County. Create and distribute a list of companies providing service for native vegetation installation, monitoring and management. Provide informational training seminars to consultants, engineers and municipal representatives. 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.

Milestone

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. Continue to update and review water quality information as necessary.

Summary

Presented, through the DuPage River/Salt Creek Workgroup, electronic publications including: chloride fact sheets aimed at mayor and managers, public works staff, commercial operators, and homeowners; example salt storage and handling ordinances and policies; a model facilities plan for snow and ice control; fact sheet summarizing alternative deicing products; brochure detailing sources of polycyclic aromatic hydrocarbons (PAHs), including coal tar sealants; and detailed reports on the chemical and biological conditions of area waterways.

Date

3/31/2016

Displayed the following pamphlets in the DuPage County administrative building, as well as at outreach events: A Citizen's Guide to Monitoring Stormwater- Illicit Discharge Detection & Elimination; Streambank Stabilization in DuPage County; Car Wash Discharge Guidelines: Send Only Rain Down the Drain!; DuPage County Wetlands and Streams; DuPage County Adopt-a-Stream Program; United States Department of Agriculture's What Is a Watershed?; Shade Gardens; Nature Friendly Yard; Backyards for Wildlife!; Live Near a Detention Pond?; Where Does the Rain Go?; Dump No Waste...Drains to River!; Falling into Winter; Springing into Summer; Greening Urban Areas; Facility Operations; and Rain Barrel Installation Guide.

3/31/2016

Presented the following brochures on DuPage County's website: Native Plants- The Deep Roots of Stormwater Management Success; Living on a Stream; Maintenance and Management of Naturalized Areas- A Homeowner's Guide; Storm Drain Stenciling; Conservation@Home; More than Rain Down the Drain- Illicit Discharge Detection and Elimination Public Awareness; Car Wash Discharge Guidelines- Send Only Rain Down the Drain!; Falling into Winter; Lawncare Calendar; and DuPage County Countywide Stormwater and Flood Plain Ordinance; Springing into Summer; Greening Urban Areas; Facility Operations; Rain Barrel Installation Guide; and LEED Applicability.

3/31/2016

Published Stormwater Management's e-newsletter currents on a monthly basis to update residents on current projects, water quality education, upcoming events and other ways to be involved with water quality goals throughout the County. List expanded from 1,986 to 2,147 recipients during the reporting period.

3/31/2016

A.2: Speaking Engagement

Goals

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.

Milestone

Continue support of County funded groups. Encourage staff participation in speaking engagement opportunities.

Summary

Date

Hosted an "Adopt-a-Stream" workshop, with assistance from The Conservation Foundation. A total of six people attended the seminar, which covered topics including: current condition of DuPage County streams and specifics of the current program.

4/9/2015

Hosted a "Green Infrastructure Options for Homeowners" symposium in the Village of Lisle, where 33 residents were in attendance. The workshop focused on the benefits of creating wildlife habitats using native plants, conserving water resources, and reducing stormwater pollution.

4/30/2015

Presented the "Green Infrastructure and Green Jobs" webinar that featured several programs around the country, highlighted best practices, and summarized lessons learned with regards to the installation and maintenance of green infrastructure.

5/20/2015

Presented the "Multi-Sector and Industrial Stormwater Permits" webinar that featured insight on the permitting process, tools available for facility inventories and inspections, and best management practices applicable to those types of sites.

6/10/2015

Presented the "What to Do about Trashy Watersheds" webinar that featured examples of how various urban communities manage trash and gross solids in their waterbodies.

9/16/2015

Hosted a "Public Roads Deicing Workshop," in conjunction with the DuPage River/Salt Creek Workgroup, to educate municipal workers on chloride reduction in winter deicing operations for public roadways. The workshop had 141 participants and focused on best management practices, pre-wetting techniques, anti-icing practices, weather forecasting, and equipment retrofits.

9/24/2015

Hosted an "Adopt-a-Stream" workshop, with assistance from The Conservation Foundation. A total of 14 people attended the seminar, which covered topics including: current condition of DuPage County streams and specifics of the current program.

9/29/2015

Hosted a "Parking Lot and Sidewalk Deicing Workshop," in conjunction with the DuPage River/Salt Creek Workgroup, for operators on chloride reduction in winter deicing operations at private properties. The workshop had 86 participants and focused on best management practices, pre-wetting techniques, anti-icing practices, appropriate product selection, application rates, and equipment calibration and retrofits.	10/8/2015
Presented the "Post-Construction Stormwater Management" webinar that explored innovations and trends in post-construction stormwater management, including the development of stormwater standards, plan review, inspections, and verification of long-term maintenance.	11/18/2015
Presented the "Surviving a MS4 Compliance Audit" webinar that informed participants what to expect before, during, and after the audit; how to best prepare staff for an audit; and how to get the most out of the experience.	3/16/2016
Partnered with the Center for Neighborhood Technology to conduct a "Getting Your Community RainReady" seminar in the City of Naperville. The 76 municipal and park district personnel in attendance were provided with information on how communities can improve their stormwater planning decision-making processes and to implement initiatives that simultaneously tackle urban flooding and build safer and more beautiful neighborhoods.	3/24/2016

A.3: Public Service Announcement

Goals

Create a 30 second PSA that will inform residents about issues of disposing or dumping of waste into storm sewers.

Milestone

Continue to update and air County public service announcements.

<i>Summary</i>	<i>Date</i>
DuPage County Stormwater Management Flood Control Facilities and Projects: https://www.youtube.com/watch?v=X9p5TUDXN7g	7/31/2015
Elmhurst Quarry Flood Control Facility: https://www.youtube.com/watch?v=A9QNYgcxin0	9/25/2015
Wood Dale-Itasca Reservoir: https://www.youtube.com/watch?v=Doa4Kehiwss	9/29/2015
Fawell Dam: https://www.youtube.com/watch?v=vlfIJGcZR38	11/24/2015
Armstrong Park Reservoirs: https://www.youtube.com/watch?v=KjM3X01rr0g	12/30/2015

Busse Woods: https://www.youtube.com/watch?v=zlw10_J2W9w

3/28/2016

Displayed four billboards on Route 83 in Elmhurst as part of a water quality campaign with seasonal messages regarding stormwater. The messages use fish mascots created to promote water quality education and awareness.

3/31/2016

A.4: Community Event

Goals

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.

Milestone

Continue community events, review and update materials and events as needed.

Summary

Date

Presented the watershed model to 20 participants at the King-Bruwaert House in the Village of Burr Ridge. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

4/21/2015

Presented the watershed model to 20 participants at the Glen Ellyn Park District in the Village of Glen Ellyn. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

4/22/2015

Presented the watershed model to 40 participants at Good Samaritan Hospital in the Village of Downers Grove. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

4/22/2015

Presented the watershed model to eight participants at the Wheaton Park District in the City of Wheaton. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

4/25/2015

Partially funded the annual Countywide River Sweep, where 616 volunteers participated and retrieved more than six tons of garbage and debris and restored 2.25 acres of land. Restoration work included removal of buckthorn, honeysuckle, garlic mustard, and other invasive plants. Partnering communities include Village of Addison, Village of Bolingbrook, Village of Carol Stream, City of Darien, Village of Downers Grove, Village of Glen Ellyn, Village of Itasca, Village of Lisle, Village of Lombard, City of Naperville, Village of Oak Brook, City of Warrenville, City of Wheaton, Village of Winfield, and Village of Woodridge.

5/16/2015

Presented the watershed model to 857 participants at the Forest Preserve District of DuPage County in the City of Wheaton. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

5/23/2015

Managed an educational booth at "Centennial Nature Fest," hosted by the Forsest Preserve District of DuPage County, in the City of Warrenville, where approximately 2,000 individuals learned about non-point source pollution control.	6/27/2015
Managed an educational booth at "Warrenville Summer Daze" in the City of Warrenville, where approximately 100 individuals learned about non-point source pollution control.	8/7/2015
Managed an educational booth at "McDonald Farm Festival" in the City of Naperville, where approximately 100 individuals learned about non-point source pollution control.	9/13/2015
Managed an educational booth at "DuPage Senior Fair" in the City of Wheaton, where approximately 100 individuals learned about non-point source pollution control.	9/23/2015
Managed an educational booth at "Cantigny Fall Festival" in the City of Wheaton, where approximately 100 individuals learned about non-point source pollution control.	10/10/2015
Funded staffing of a booth at the "Bass in the Class" event through the Forest Preserve District of DuPage County, where approximately 15 adults and 350 youth learned about a variety of topics related to stormwater management.	11/5/2015
Staffed a booth at the DuPage County "Environmental Summit," which focused on making conservation meaningful where one lives. The exhibit booth attracted approximately 300 participants.	1/21/2016
Presented the watershed model to 15 participants involved through the Girl Scouts of the United States of America in the Village of Oak Brook. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	3/28/2016
Through partnership with SCARCE, held 110 community events for a variety of civic, governmental, and private organizations on topics including stormwater management controls, rain barrels, native plants and naturalized areas, permeable pavers, wetlands, phosphate control, and other best management practices. Approximately 5,785 individuals were involved in these events throughout the year.	3/31/2016

A.5: Classroom Education Material

Goals

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.

Milestone

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

Summary

Date

Funded the ninth annual "Sustainable Design Challenge," where 64 students learned the aspects of and participated in the design of model green buildings. Stormwater management topics covered in class and incorporated into the buildings included green roofs, rain barrels, native plants, permeable pavers, and rainwater harvesting.

4/7/2015

Presented the watershed model to 100 students at Meadow Glens Elementary School in the City of Naperville. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

4/7/2015

Presented the watershed model to 24 students at Pleasant Lane Elementary School in the Village of Lombard. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

4/20/2015

Presented the watershed model to 400 students at Glenbard South High School in the Village of Glen Ellyn. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

4/20/2015

Presented the watershed model to 346 students at Glenbard North High School in the Village of Carol Stream. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

4/21/2015

Presented the watershed model to 25 students at Elmhurst Academy in the City of Elmhurst. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

5/15/2015

Presented the watershed model to 60 students at Jackson Middle School in the Village of Villa Park. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.

5/20/2015

Held, for 19 teachers, a six-day "Living Water: Going with the Flow" workshop that highlighted naturalized areas, wetlands, and aquatic life. Site visitations were included in the workshop.

6/22/2015

Presented the watershed model to 50 students at Currier Elementary School in the City of West Chicago. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	7/13/2015
Presented the watershed model to 140 students at Downers Grove South High School in the Village of Downers Grove. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	9/16/2015
Presented the watershed model to 70 students at Glenbard East High School in the Village of Lombard. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	10/9/2015
Presented the watershed model to 27 students at Hawthorne Elementary School in the City of Elmhurst. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	10/19/2015
Presented the watershed model to 77 students at Benet Academy in the Village of Lisle. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	11/9/2015
Presented the watershed model to 60 students at Glenbard North High School in the Village of Carol Stream. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	11/9/2015
Presented the watershed model to 60 students at Highlands Elementary School in the City of Naperville. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	11/12/2015
Presented the watershed model to 125 students at Hubble Middle School in the City of Warrenville. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	1/28/2016
Presented the watershed model to 100 students at Fry Elementary School in the City of Naperville. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	1/29/2016
Presented the watershed model to 175 students at Maercker Intermediate School in the Village of Westmont. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	1/30/2016
Led 21 DuPage County teachers on a tour of green buildings that include landscapes and permeable surface areas to highlight best management practices for stormwater management, as well as other Leadership in Energy and Environmental Design (LEED) attributes.	3/4/2016

Presented the watershed model to 60 students at Addison Trail High School in the Village of Addison. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	3/8/2016
Presented the watershed model to 550 students at Meadow Glens Elementary School in the City of Naperville. The watershed model allows people of all ages, languages, and cultures to better understand the sources and prevention of water pollution through visual, hands-on interaction.	3/14/2016
Through partnership with SCARCE, educated approximately 2,688 elementary, middle, and high school age students on topics including stormwater management controls, rain barrels, native plants and naturalized areas, permeable pavers, wetlands, phosphate control, and other best management practices. The 82 events throughout the year reached 547 teachers or college students, as well.	3/31/2016

A.6: Other Public Education

Goals

Creation of a Public Information Manager position, which will handle 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.

Milestone

Continue to review and update public education information.

Summary

	<i>Date</i>
Created and distributed, Countywide, a press release to promote the Sustainable Design Challenge, which participating students design model buildings and landscapes using sustainable design techniques.	4/10/2015
Created and distributed, Countywide, a press release to promote attendance at the "Green Infrastructure and Native Landscaping" workshop that included expert speakers discussing permeable pavement options, rainwater harvesting systems, rain gardens, native plants, and rain barrels.	4/13/2015
Conducted a tour of the Elmhurst Quarry Flood Control Facility. The nearly 40 participants, recruited through partnership with York Community High School the City of Elmhurst, obtained an overview of not only the flood control benefits of the facility, but also of the water quality benefits, including volume detention, settling of suspended solids, and aeration of the effluent before return to Salt Creek.	4/26/2015
Created and distributed, Countywide, a press release to promote a wetland mapping update meeting, where attendees were encouraged to learn more about the data and information used in the update, as well as provide feedback regarding the accuracy of the updated maps.	6/3/2015
Partnered with the Village of Westmont to demonstrate the installation of pervious concrete at Cumnor Road between 59th Street and 61st Street. This project is the first pervious concrete roadway in Illinois.	10/8/2015

Conducted a tour of the Armstrong Park Flood Control Facility in the Village of Carol Stream. The nearly 50 participants obtained an overview of not only the flood control benefits of the facility, but also of the water quality benefits, including volume detention, settling of suspended solids, and aeration of the effluent before the flood water is returned to Klein Creek.	10/14/2015
Created and distributed, Countywide, a press release to promote the ribbon cutting at the Armstrong Park Flood Control Facility. The flood control structure utilizes native vegetation to help improve the quality of stored water before it is discharged into Klein Creek following a flood event.	10/15/2015
Created and distributed, Countywide, a press release to promote the Sustainable Design Challenge, which participating students design model buildings and landscapes using sustainable design techniques.	2/4/2016
Conducted a tour of the Elmhurst Quarry Flood Control Facility. The nearly 40 participants, recruited through partnership with Downers Grove North High School the Village of Downers Grove, obtained an overview of not only the flood control benefits of the facility, but also of the water quality benefits, including volume detention, settling of suspended solids, and aeration of the effluent before return to Salt Creek.	2/23/2016
Conducted a tour of the Elmhurst Quarry Flood Control Facility. The nearly 40 participants, recruited through partnership with Downers Grove South High School the Village of Downers Grove, obtained an overview of not only the flood control benefits of the facility, but also of the water quality benefits, including volume detention, settling of suspended solids, and aeration of the effluent before return to Salt Creek.	3/1/2016
Financially supported the Conservation@Home program to encourage homeowner development of landscapes utilizing native vegetation and rain gardens. A total of 51 properties were certified, while an additional 69 are in the process of being certified. Finally, 11 businesses were certified through the Conservation@Work program, with another 15 in the process of being certified.	3/31/2016
Funded activities involving 173 volunteers posting 1,007 door hangers and stenciling 1,486 storm drains over a six month period. These activities alerted residents of the direct connection between storm sewer inlets and local waterways and occurred in the following communities: Village of Addison, Bloomingdale Township, Village of Bolingbrook, Village of Downers Grove, City of Elmhurst, Village of Glendale Heights, Village of Lisle, Village of Lombard, City of Naperville, Village of Roselle, City of Warrenville, Village of Westmont, and City of Wheaton.	3/31/2016
Enhanced DuPage County's profiles on Facebook and Twitter. The outreach campaign, entitled "Love Blue. Live Green." is meant to create a forum for issues affecting the quality of DuPage County's waterways. These sites are updated periodically by DuPage County staff.	3/31/2016
Continued to implement a Water Quality Flag certification program, similar to the Earth Flag certification, for schools and other community organizations with SCARCE. The Water Quality Flag can be earned by doing trainings, implementing green infrastructure, and engaging in other water quality projects. Numerous schools were presented with Water Quality Flag certification, including Carol Stream Elementary School in the Village of Carol Stream and Monroe Elementary School in the Village of Hinsdale.	3/31/2016

B.1: Public Panel

Goals

Continue support of Environmental Summit. Continue support of Environmental Commission.

Milestone

Review and update public panel information.

Summary

Sponsored the "Environmental Summit: Making Conservation Meaningful Where You Live" seminar, where approximately 300 people attended, as well as 23 exhibitors. Presenters provided on the ground examples of where localized conservation has been conducted well in DuPage County, as well as shared ideas for further community engagement and partnerships.

Date

1/21/2016

B.3: Stakeholder Meeting

Goals

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

Milestone

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

Summary

Participated in regular meeting for the DuPage River/Salt Creek Workgroup. Presentations and follow-up discussion pertained to the following topic: Bioassessment of the West Branch DuPage River watershed.

Date

4/29/2015

Hosted a Salt Creek Watershed Forum group, designed to facilitate discussion between stakeholders regarding current or future activities throughout the watershed. Approximately 40 individuals were in attendance.

5/18/2015

Hosted meeting of the Spring Brook No. 1 Watershed Stakeholder Group. Meeting topics included an overview of the watershed-based planning process, discussion on where flooding occurred within the watershed, and conceptual development of streambank stabilization and green infrastructure projects that could be beneficial.

5/19/2015

Held a public information meeting regarding DuPage County's development of updates to the existing wetland map. The wetland map is a valuable planning tool for local government, developers, property owners, and residents and was funded through an \$118,369 grant from the United States Environmental Protection Agency.

6/23/2015

Participated in regular meeting for the DuPage River/Salt Creek Workgroup. Presentations and follow-up discussion pertained to the following topics: DuPage County wetland map update and the Oak Meadows Golf Course redesign and ecological restoration.	6/24/2015
Hosted meeting of the Sugar Creek Watershed Stakeholder Group. Meeting topics included an overview of the watershed-based planning process, discussion on where flooding occurred within the watershed, and conceptual development of streambank stabilization and green infrastructure projects that could be beneficial.	6/26/2015
Participated in regular meeting for the DuPage River/Salt Creek Workgroup. Presentations and follow-up discussion pertained to the following topics: Proposed revision of the ILR40 storm water general permit and chloride trading program with the Illinois Tollway.	8/26/2015
Participated in regular meeting for the DuPage River/Salt Creek Workgroup. Presentations and follow-up discussion pertained to the following topics: Overview and tour of the Oak Meadows Golf Course dam removal and stream restoration.	10/28/2015
Hosted a Salt Creek Watershed Forum group, designed to facilitate discussion between stakeholders regarding current or future activities throughout the watershed. Approximately 50 individuals were in attendance.	11/19/2015
Participated in regular meeting for the DuPage River/Salt Creek Workgroup. Presentations and follow-up discussion pertained to the following topic: Survey of the Great Lakes plastic pollution.	12/9/2015
Hosted a West Branch DuPage River Watershed Forum group, designed to facilitate discussion between stakeholders regarding current or future activities throughout the watershed. Approximately 40 individuals were in attendance.	2/10/2016
Participated in regular meeting for the DuPage River/Salt Creek Workgroup. Presentations and follow-up discussion pertained to the following topics: Regional chloride reduction and management and Fawell Dam modification conceptual design progress.	2/24/2016
Hosted an East Branch DuPage River Watershed Forum group, designed to facilitate discussion between stakeholders regarding current or future activities throughout the watershed. Approximately 40 individuals were in attendance.	2/25/2016
Hosted a Salt Creek Watershed Forum group, designed to facilitate discussion between stakeholders regarding current or future activities throughout the watershed. Approximately 30 individuals were in attendance.	3/8/2016
Held regularly scheduled Municipal Engineers' Discussion Group meetings for local municipal, County staff, and other interested parties to discuss general stormwater management and water quality issues; DuPage County Countywide Stormwater and Flood Plain Ordinance revisions; and permit irregularities. During the reporting period, the MEDG met 11 times for regularly scheduled meetings: 4/7/2015; 5/7/2015; 6/4/2015; 7/9/2015; 8/6/2015; 9/3/2015; 10/8/2015; 12/3/2015; 1/7/2016; 2/4/2016; and 3/3/2016.	3/31/2016

B.4: Public Hearing

Goals

Hold Public hearings as necessary for any ordinance change, watershed plan, or variance to a given provision in the ordinance.

Milestone

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.

Summary

No public hearings were conducted during the reporting period.

Date

3/31/2016

B.5: Volunteer Monitoring

Goals

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.

Milestone

Continue support for volunteer monitoring opportunities.

Summary

No volunteer monitoring was conducted during the reporting period.

Date

3/31/2016

B.6: Program Coordination

Goals

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.

Milestone

Review and update programs as necessary.

Summary

Initiated contract with The Conservation Foundation to provide water quality education services for municipal staff and residents within DuPage County.

Date

4/21/2015

Initiated contract with SCARCE to provide youth based, stormwater education services for students within DuPage County schools.

6/2/2015

Initiated contract with Bluestem Communication to provide professional services including understanding the audience, communication goals, strategy and key messages, material development and implementation, and evaluation planning.

6/2/2015

B.7: Other Public Involvement

Goals

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.

Milestone

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

Summary

Initiated a water quality grant agreement with Lisle Park District for a shoreline stabilization project at Arboretum Woods in the amount of \$99,766.41.

Date

4/21/2015

Initiated a water quality grant agreement with Woodridge School District #68 for the construction of permeable paver parking lots at Goodrich Elementary School in the amount of \$92,300.72.

4/21/2015

Sponsored a four-day "Wetland Plant Identification" course with classroom and field instruction with 25 individuals attending the course each day.

5/19/2015

Initiated a water quality grant agreement with the Village of Woodridge for a streambank stabilization project along Crabtree Creek in the amount of \$37,889.28.	8/4/2015
Initiated a water quality grant agreement with the City of Wood Dale for a shoreline stabilization project at the Elizabeth Court Detention Basins in the amount of \$36,340.	8/4/2015
Collected continuous conductivity values at six locations in an effort to document winter chloride concentrations, as a strong correlation between conductivity values and chloride concentrations exists in DuPage County watersheds.	12/14/2015
Sponsored a "Winter Plant Identification" course with 25 individuals in attendance.	2/4/2016
Received a nomination for a Stormwater Management staff member to serve as the Secretary-Treasurer on the Board of Directors for the DuPage River/Salt Creek Workgroup.	2/24/2016
Through the DuPage River/Salt Creek Workgroup (DRSCW), performed bioassessment sampling at 41 sites throughout the West Branch DuPage River watershed. Sites were sampled for water column chemistry, sediment chemistry, biological scores of fish and macroinvertebrate communities (fIBI and mIBI, respectively), and Qualitative Habitat Evaluation Index (QHEI) scores. Data are used to produce the bioassessment analysis; analyzed to identify and prioritize stormwater, wastewater, and restoration projects; and delivered to IEPA for use in the impaired waters evaluation.	3/31/2016
Conducted data collection at 11 monitoring stations throughout the DuPage River and Salt Creek watersheds. Ambient dissolved oxygen, pH, temperature, and conductivity units were measured at hourly intervals during summer months and used to develop a bioassessment reports in the watersheds.	3/31/2016

C.1: Storm Sewer Map Preparation

Goals

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 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.

Milestone

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.

Summary

	<i>Date</i>
Received the most current electronic version of the Village of Downers Grove's storm sewer atlas.	4/14/2015
Entered the Village of Naperville's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	5/4/2015

Entered the City of Warrenville's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	6/10/2015
Entered the Village of Addison's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	6/19/2015
Entered the Village of Lisle's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	6/23/2015
Entered the Village of Downers Grove's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	7/7/2015
Entered the Village of Westmont's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	7/10/2015
Received the most current electronic version of the City of Oakbrook Terrace's storm sewer atlas.	7/16/2015
Entered the Village of Woodridge's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	7/30/2015
Entered the City of Oakbrook Terrace's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	8/11/2015
Entered the Village of Winfield's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	11/6/2015
Entered the Village of Bensenville's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	11/11/2015
Entered the Village of Oak Brook's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	11/17/2015
Received the most current electronic version of the Village of Bartlett's storm sewer atlas.	11/19/2015
Entered the Village of Bartlett's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	12/3/2015
Entered the Village of Bloomingdale's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	12/10/2015
Received the most current electronic version of the Village of Roselle's storm sewer atlas.	12/16/2015

Received the most current electronic version of Elk Grove Village's storm sewer atlas.	12/18/2015
Entered the Village of Roselle's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	12/29/2015
Entered Elk Grove Village's outfall locations and properties into a geospatial database to be used for future monitoring efforts.	3/17/2016

C.2: Regulatory Control Program

Goals

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.

Milestone

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

Summary

Partnered with the City of Naperville to conduct outfall inspections, for purposes of illicit discharge identification, on their behalf within the Will County portion of Naperville.

Date

10/6/2015

C.3: Detection/Elimination Prioritization Plan

Goals

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.

Milestone

Priority outfalls will continue to be monitored.

Summary

No advancement of the prioritization plan occurred during the reporting period, as development of a comprehensive storm sewer atlas is still underway.

Date

3/31/2016

C.4: Illicit Discharge Tracing Procedures

Goals

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.

Milestone

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

Summary

Date

Coordinated correction of an illicit connection with the City of Oakbrook Terrace and a residential property owner.

7/24/2015

Investigated a report of a discharge from a commercial parcel in unincorporated DuPage County to Salt Creek. No illicit discharge was discovered.

9/16/2015

Investigated a report of a discharge in unincorporated DuPage County to St. Joseph Creek. No illicit discharge was discovered; however, the concern was determined to be a result of municipal operations dewatering a nearby pond.

12/3/2015

Coordinated investigation and abatement of an illicit fuel discharge into a pond along Ferry Creek from a residential property. Coordination occurred between the property owner, DuPage County, City of Naperville, and several other interested parties.

1/22/2016

Investigated a report of an illicit connection, resulting in a discharge, from a residential parcel in unincorporated DuPage County. No illicit connection or discharge discovered.

2/12/2016

Investigated a report of a discharge from a commercial parcel in unincorporated DuPage County to East Branch DuPage River. No illicit discharge was discovered.

3/15/2016

C.5: Illicit Source Removal Procedures

Goals

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.

Milestone

Continue tracing any illicit discharges detected. Review the outcome of the illicit discharges that were detected the previous year. Enforce the removal of illicit discharges.

Summary

No enforcement actions were necessary as a result of illicit discharges or connections occurring during the reporting period.

Date

3/31/2016

C.6: Program Evaluation and Assessment

Goals

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.

Milestone

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

Summary

As a result of poor response time regarding the containment and abatement of a suspected illicit discharge at Lake Charles in the Village of Westmont, an evaluation of whether a regional spill response contract with a private entity can be established is in progress.

Date

3/16/2015

Utilization of ArcGIS Online and the associated Collector application to identify the location of outfall locations, as well as to track assessment of those municipal outfalls.

9/1/2016

C.7: Visual Dry Weather Screening

Goals

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.

Milestone

Continue to dry weather screen throughout the year.

Summary

Initiated dry-weather outfall screening at 428 locations along the following waterways and their tributaries: Crabtree Creek; Ferry Creek; Ginger Creek; Prentiss Creek; Sawmill Creek; St. Joseph Creek; Wards Creek; West Branch DuPage River; and Westwood Creek.

Date

9/2/2015

C.8: Pollutant Field Testing

Goals

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.

Milestone

Continue to test for pollutants during the dry weather survey.

Summary

Conducted field testing at 35 outfalls discharging during dry-weather screening.

Date

3/31/2016

D.1: Regulatory Control Program

Goals

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).

Milestone

DuPage County will continue to update the Stormwater Ordinance on a regular basis in order to keep up local and national regulations while implementing appropriate best management practices to lower quantities of pollutants from ending up in out waterways and drinking water. 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.

Summary

Included language pertaining to soil erosion and sediment control requirements in Article VII of the revised DuPage County Countywide Stormwater and Flood Plain Ordinance. The text references use of erosion control blanket, silt fence, ditch checks, sediment basins, dewatering devices, storm sewer inlets, stabilized construction entrances, stockpile control measures, The Illinois Urban Manual, Appendix E to the DuPage County Stormwater Management Plan: Performance Criteria and Technical Guidance, and the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction. Avoidance of impacts to channels, wetlands, and adjoining property and compliance with General NPDES Permit No. ILR10 are stressed, as well.

Date

4/23/2013

D.2: Erosion and Sediment Control BMPs

Goals

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.

Milestone

Continue to educate staff on the evolving regulations by offering and attending training programs and seminars.

Summary

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 County Countywide Stormwater and Flood Plain Ordinance (DCCSFPO), promotes avoidance and minimization for construction activities. Due to the recent overhaul of the DCCSFPO, County staff hopes to update Appendix E in the near future, as well.

Date

3/25/2008

D.4: Site Plan and Review Procedures

Goals

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.

Milestone

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

<i>Summary</i>	<i>Date</i>
Reviewed ten special management area construction permit submittals on behalf of the Village of Wheaton.	3/31/2016
Reviewed five special management area construction permit submittals on behalf of the Village of Lombard.	3/31/2016
Reviewed one special management area construction permit submittal on behalf of the Village of Hanover Park.	3/31/2016
Reviewed one special management area construction permit submittal on behalf of Elk Grove Village.	3/31/2016
Reviewed four special management area construction permit submittals on behalf of the Village of Burr Ridge.	3/31/2016
Reviewed 56 special management area construction permit submittals for projects located within unincorporated DuPage County, including ten for Forest Preserve District of DuPage County projects and three for DuPage County Division of Transportation projects.	3/31/2016
Reviewed one special management area construction permit submittal on behalf of the Village of Addison.	3/31/2016
Reviewed 21 special management area construction permit submittals for projects that crossed municipal boundaries.	3/31/2016
Reviewed two special management area construction permit submittals on behalf of the Village of Roselle.	3/31/2016
Reviewed nine special management area construction permit submittals on behalf of the City of West Chicago.	3/31/2016
Reviewed ten special management area construction permit submittals on behalf of the City of Darien.	3/31/2016

Reviewed two special management area construction permit submittals on behalf of the Village of Westmont.	3/31/2016
Reviewed eight special management area construction permit submittals on behalf of the Village of Bensenville.	3/31/2016
Reviewed four special management area construction permit submittals on behalf of the Village of Lisle.	3/31/2016
Reviewed six special management area construction permit submittals on behalf of the City of Naperville.	3/31/2016
Reviewed one special management area construction permit submittal on behalf of the Village of Bartlett.	3/31/2016
Reviewed one special management area construction permit submittal on behalf of the Village of Glendale Heights.	3/31/2016
Reviewed three special management area construction permit submittals on behalf of the Village of Hinsdale.	3/31/2016
Reviewed five special management area construction permit submittals on behalf of the City of Elmhurst.	3/31/2016
Reviewed six special management area construction permit submittals on behalf of the Village of Winfield.	3/31/2016
Reviewed two special management area construction permit submittals on behalf of the Village of Wayne.	3/31/2016
Reviewed five special management area construction permit submittals on behalf of the Village of Itasca.	3/31/2016

D.5: Public Information Handling Procedures

Goals

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.

Milestone

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.

<i>Summary</i>	<i>Date</i>
Submitted, to IEPA, the Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities for the Armstrong Park Flood Control Reservoir and Pump Station Project.	6/6/2014
Submitted, to IEPA, the Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities for the CH-3/Warrenville Road Project (ILR10T795).	7/15/2014
Submitted, to IEPA, the Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities for the West Branch DuPage River Flood Control Project (ILR10U546).	1/29/2015
Submitted, to IEPA, the Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities for the CH-33/75th Street Project (ILR10U623).	2/11/2015
Submitted, to IEPA, the Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities for the Warrenville Road Bridge Project (ILR10V045).	4/14/2015
Submitted, to IEPA, the Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities for the CH-21/Fabyan Parkway Project (ILR10V139).	5/4/2015
Submitted, to IEPA, the Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities for the Plainfield Road Manning to Cass Project (ILR10W652).	3/23/2016
Staffed call center to process and direct citizen complaints pertaining to construction activities and other stormwater related issues.	3/31/2016

D.6: Site Inspection/Enforcement Procedures

Goals

DuPage County has implemented the Govern program to ensure all development and projects have acquired the necessary permits.

Milestone

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

Summary

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

Date

3/31/2016

Initiated enforcement actions for 55 construction projects located within unincorporated DuPage County, as documented in the inspection database, for sediment and erosion control issues.

3/31/2016

Conducted 1,294 erosion control inspections for 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.

3/31/2016

E.2: Regulatory Control Program

Goals

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.

Milestone

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

Summary

Enacted the overhaul of the DuPage County Countywide Stormwater and Flood Plain Ordinance. Some of the highlights of the revised Ordinance include: an alternate method to review and approve applications for permits by reducing submittal requirements under special circumstances through General Certifications and Letters of Permission; the inclusion of a threshold for providing stormwater detention was changed from a zoning based system to a system that recognizes the change in impervious areas over time; volume control requirements on development sites to promote runoff reduction, groundwater recharge, and water quality; a limitation on flood plain modeling regulations, when deemed unnecessary, to reduce submittal requirements; adjustment of flood plain regulations to allow for additional types of development within the flood plain; consolidation of requirements for riparian mitigation into wetland buffer requirements; and amendment of the threshold for post construction BMPs to correlate directly with changes in impervious areas on development sites.

Date

4/23/2013

Partnered with the Village of Villa Park to provide technical assistance in the design of green infrastructure improvements along the Washington Street corridor.

1/5/2016

E.3: Long Term O&M Procedures

Goals

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.

Milestone

Continue to enforce the Stormwater Ordinance.

Summary

Managed against invasive vegetation at the Gary-Kehoe Reservoir Basin in the Village of Carol Stream. Overseeding occurred.

Date

4/1/2015

Managed against invasive vegetation at the Wayne Oaks Dam Basin in the City of West Chicago. Overseeding occurred.	4/1/2015
Managed against invasive vegetation at a property along Stonewall Avenue in unincorporated DuPage County. Selective herbiciding occurred.	4/15/2015
Managed against invasive vegetation at a property along Stonewall Avenue in unincorporated DuPage County. Overseeding occurred.	5/28/2015
Managed against invasive vegetation at the Gary-Kehoe Reservoir Basin in the Village of Carol Stream. Selective herbiciding occurred.	6/1/2015
Managed against invasive vegetation at the Sheriff's Tactical Training and Impound Lot Basin in the City of West Chicago. Selective herbiciding occurred.	6/2/2015
Managed against invasive vegetation at the Village Green Basin in the Village of Woodridge. Plug installation occurred.	6/2/2015
Managed against invasive vegetation at the Shorewood Basin in unincorporated DuPage County. Selective herbiciding occurred.	6/8/2015
Managed against invasive vegetation along the Illinois Prairie Path at various locations throughout DuPage County. Selective herbiciding occurred.	6/9/2015
Managed against invasive vegetation at a property along Sterling Avenue in unincorporated DuPage County. Selective herbiciding and overseeding occurred.	6/9/2015
Managed against invasive vegetation at the Skyline and O'Neil Basins in unincorporated DuPage County. Selective herbiciding occurred.	6/10/2015
Managed against invasive vegetation at the Pleasant Basin in unincorporated DuPage County. Selective herbiciding and overseeding occurred.	6/18/2015
Managed against invasive vegetation at the Gary-Kehoe Reservoir Basin in the Village of Carol Stream. Selective herbiciding occurred.	7/1/2015
Managed against invasive vegetation at the Crest Road Basin in the City of Darien. Selective herbiciding occurred.	7/1/2015
Managed against invasive vegetation at the Village Green Basin in the Village of Woodridge. Selective herbiciding occurred.	7/14/2015
Managed against invasive vegetation at the Sheriff's Tactical Training and Impound Lot Basin in the City of West Chicago. Selective herbiciding occurred.	7/14/2015

Managed against invasive vegetation at the Smith Basin in unincorporated DuPage County. Selective herbiciding occurred.	7/29/2015
Managed against invasive vegetation along the Illinois Prairie Path at various locations throughout DuPage County. Selective herbiciding occurred.	7/29/2015
Managed against invasive vegetation at the 97th and Madison Basin in unincorporated DuPage County. Selective herbiciding occurred.	7/29/2015
Managed against invasive vegetation at the Bernice Basin in unincorporated DuPage County. Selective herbiciding occurred.	7/29/2015
Managed against invasive vegetation at the Ogden and Drendel Basin in the Village of Downers Grove. Selective herbiciding occurred.	7/29/2015
Managed against invasive vegetation at the Shorewood Basin in unincorporated DuPage County. Selective herbiciding occurred.	7/29/2015
Managed against invasive vegetation at the River Dumolin Flood Control Facility in the Village of Lisle. Selective herbiciding occurred.	8/1/2015
Managed against invasive vegetation at properties along Mack Road in the City of Warrenville. Selective herbiciding occurred.	8/1/2015
Managed against invasive vegetation along the Fawell Dam and Saddle Dike within the McDowell Grove Forest Preserve in the City of Naperville. Selective herbiciding occurred.	8/1/2015
Managed against invasive vegetation at properties within the Valley View subdivision in unincorporated DuPage County. Selective herbiciding occurred.	8/1/2015
Managed against invasive vegetation at the Wayne Oaks Dam Basin in the City of West Chicago. Selective herbiciding occurred.	8/1/2015
Managed against invasive vegetation at the Armstrong Park Flood Control Facility in the Village of Carol Stream. Selective herbiciding occurred.	8/1/2015
Managed against invasive vegetation at a property along Forestview Drive in the City of Warrenville. Selective herbiciding occurred.	8/1/2015
Managed against invasive vegetation at the Country Lakes Basin in the City of Naperville. Selective herbiciding occurred.	8/1/2015
Managed against invasive vegetation at the Crest Road Basin in the City of Darien. Selective herbiciding and plug installation occurred.	8/11/2015

Managed against invasive vegetation at the Sheriff's Tactical Training and Impound Lot Basin in the City of West Chicago. Selective herbiciding occurred.	8/24/2015
Managed against invasive vegetation at the Village Green Basin in the Village of Woodridge. Selective herbiciding occurred.	8/24/2015
Managed against invasive vegetation along the Fawell Dam and Saddle Dike within the McDowell Grove Forest Preserve in the City of Naperville. Selective herbiciding occurred.	9/1/2015
Managed against invasive vegetation at the River Dumolin Flood Control Facility in the Village of Lisle. Selective herbiciding occurred.	9/1/2015
Managed against invasive vegetation at the Bernice Basin in unincorporated DuPage County. Selective herbiciding occurred.	9/1/2015
Managed against invasive vegetation at properties along Mack Road in the City of Warrenville. Selective herbiciding occurred.	9/1/2015
Managed against invasive vegetation at the Pleasant Basin in unincorporated DuPage County. Selective herbiciding occurred.	9/1/2015
Managed against invasive vegetation at the Ogden and Drendel Basin in the Village of Downers Grove. Selective herbiciding occurred.	9/1/2015
Managed against invasive vegetation at the Adele Basin in unincorporated DuPage County. Selective herbiciding occurred.	9/1/2015
Managed against invasive vegetation at the Crest Road Basin in the City of Darien. Selective herbiciding occurred.	9/10/2015
Managed against invasive vegetation at the Village Green Basin in the Village of Woodridge. Selective herbiciding occurred.	9/13/2015
Managed against invasive vegetation at the Country Lakes Basin in the City of Naperville. Selective herbiciding occurred.	9/15/2015
Managed against invasive vegetation along the Illinois Prairie Path at various locations throughout DuPage County. Selective herbiciding occurred.	9/15/2015
Managed against invasive vegetation at properties within the Valley View subdivision in unincorporated DuPage County. Selective herbiciding occurred.	9/15/2015
Managed against invasive vegetation at a property along Forestview Drive in the City of Warrenville. Selective herbiciding occurred.	9/15/2015

Managed against invasive vegetation at the Elmhurst Quarry Flood Control Facility in the City of Elmhurst. Selective herbiciding occurred.	9/15/2015
Managed against invasive vegetation at the Wayne Oaks Dam Basin in the City of West Chicago. Selective herbiciding occurred.	9/15/2015
Managed against invasive vegetation at the Armstrong Park Flood Control Facility in the Village of Carol Stream. Selective herbiciding occurred.	9/15/2015
Managed against invasive vegetation at the River Dumolin Flood Control Facility in the Village of Lisle. Selective herbiciding and brush cutting occurred.	9/21/2015
Managed against invasive vegetation at the Skyline and O'Neil Basins in unincorporated DuPage County. Selective herbiciding occurred.	9/23/2015
Managed against invasive vegetation at the 97th and Madison Basin in unincorporated DuPage County. Selective herbiciding occurred.	9/23/2015
Managed against invasive vegetation at the Armstrong Park Flood Control Facility in the Village of Carol Stream. Selective herbiciding occurred.	9/24/2015
Managed against invasive vegetation at the Gary-Kehoe Reservoir Basin in the Village of Carol Stream. Selective herbiciding occurred.	9/24/2015
Managed against invasive vegetation along the Fawell Dam and Saddle Dike within the McDowell Grove Forest Preserve in the City of Naperville. Brush cutting occurred.	10/7/2015
Managed against invasive vegetation at the Wayne Oaks Dam Basin in the City of West Chicago. Brush cutting occurred.	10/7/2015
Managed against invasive vegetation at the 53 Harding Basin in unincorporated DuPage County. Selective herbiciding occurred.	10/9/2015
Managed against invasive vegetation at the Crest Road Basin in the City of Darien. Selective herbiciding occurred.	10/9/2015
Managed against invasive vegetation along the berm at the Bower Elementary School in the City of Warrenville. Selective herbiciding and brush cutting occurred.	10/12/2015
Managed against invasive vegetation at the 97th and Madison Basin in unincorporated DuPage County. Brush cutting occurred.	10/16/2015
Managed against invasive vegetation at the Bernice Basin in unincorporated DuPage County. Brush cutting occurred.	10/28/2015

Managed against invasive vegetation at properties within the Valley View subdivision in unincorporated DuPage County. Selective herbiciding occurred.	10/29/2015
Managed against invasive vegetation at the River Dumolin Flood Control Facility in the Village of Lisle. Brush cutting occurred.	10/29/2015
Managed against invasive vegetation at properties within the Valley View subdivision in unincorporated DuPage County. Brush cutting occurred.	2/26/2016

E.4: Pre-construction Review of BMP Designs

Goals

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.

Milestone

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.

Summary

Conducted approximately 182 pre-application meetings with potential permit applicants to discuss both construction and post-construction impacts and requirements associated with a project.

Date

3/31/2016

E.5: Site Inspections During Construction

Goals

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.

Milestone

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

Summary

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 Stormwater Pollution Prevention Plan, which includes a sediment erosion control plan.

Date

3/31/2016

E.6: Post Construction Inspections

Goals

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.

Milestone

Continue to offer employee training on site inspections.

Summary

Inspected three wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Wayne.

3/31/2016

Inspected seven wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Winfield. Inspected one wetland mitigation site, as well.

3/31/2016

Inspected 13 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Lombard.

3/31/2016

Inspected 125 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction was complete, for unincorporated DuPage County, including four DuPage County Division of Transportation projects and 18 Forest Preserve District of DuPage County projects. Inspected seven wetland mitigation sites located in unincorporated DuPage County, including five located on Forest Preserve District of DuPage County property, as well.	3/31/2016
Inspected one wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice site, after construction of the project was complete, for Elk Grove Village. Inspected one wetland mitigation site, as well.	3/31/2016
Inspected 15 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Lisle. Inspected one wetland mitigation site, as well.	3/31/2016
Inspected 14 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the City of Wheaton. Inspected one wetland mitigation site, as well.	3/31/2016
Inspected eight wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, in the City of Darien.	3/31/2016
Inspected 28 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the City of West Chicago.	3/31/2016
Inspected 40 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the City of Naperville. Inspected one wetland mitigation site, as well.	3/31/2016
Inspected one wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice site, after construction of the project was complete, for the Village of Lemont.	3/31/2016
Inspected two wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Bartlett.	3/31/2016
Inspected 16 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, at various Countywide locations.	3/31/2016
Inspected two wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the City of Oakbrook Terrace.	3/31/2016
Inspected four wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the City of Warrenville.	3/31/2016
Inspected one wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice site, after construction of the project was complete, for Wayne Township.	3/31/2016

Inspected four wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Woodridge.	3/31/2016
Inspected three wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Glendale Heights.	3/31/2016
Inspected seven wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Westmont.	3/31/2016
Inspected 11 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Itasca.	3/31/2016
Inspected 12 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Bensenville.	3/31/2016
Inspected 11 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Burr Ridge.	3/31/2016
Inspected three wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Carol Stream.	3/31/2016
Inspected one wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice site, after construction of the project was complete, for the Village of Clarendon Hills.	3/31/2016
Inspected three wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Roselle.	3/31/2016
Inspected 12 wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the City of Elmhurst.	3/31/2016
Inspected two wetland buffer, riparian enhancement, or native vegetated post-construction water quality best management practice sites, after construction of the project was complete, for the Village of Hinsdale.	3/31/2016

F.1: Employee Training Program

Goals

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.

Milestone

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

Summary

Date

Attendance at the "Green Infrastructure Options for Homeowners" workshop by one Village of Lisle staff member.

4/30/2015

Attendance at the "Multi-Sector and Industrial Stormwater Permits" webinar, offered through Center for Watershed Protection, by five DuPage County staff members. The following communities had staff that attended the webinar, as well: Village of Bloomingdale (1) and Village of Burr Ridge (1).

6/10/2015

Attendance at the "Getting Your Community RainReady" workshop by seven DuPage County staff members. The following communities had staff that attended the seminar, as well: Village of Burr Ridge (1), Village of Carol Stream (1), Village of Downers Grove (1), Village of Glen Ellyn (3), Village of Lisle (1), City of Wheaton (1), and Village of Woodridge (1).

3/24/2016

F.2: Inspection and Maintenance Program

Goals

Develop and implement an operation and maintenance program to prevent or reduce pollutant runoff from municipal operations to the storm sewer system.

Milestone

Evaluate the pollution prevention good housekeeping practices from the previous years for their effectiveness on reducing pollution that collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas that discharges into local waterways. County facilities will submit record keeping of pollution prevention and good housekeeping activities for annual reporting of maintenance activities and scheduling. Incorporate any revisions into pollution prevention and good housekeeping inspection and maintenance procedures and guidelines. Provide additional training where necessary. Continue Stream Maintenance program.

Summary

Date

On behalf of the Village of Lisle, removed approximately 30 cubic yards of timber debris accumulated along East Branch DuPage River.

7/30/2015

On behalf of the City of Wheaton, removed approximately 15 cubic yards of timber debris accumulated along Winfield Creek.	7/31/2015
On behalf of the Village of Winfield, removed approximately 20 cubic yards of timber debris accumulated along Winfield Creek.	8/14/2015
On behalf of the Village of Villa Park, removed approximately 45 cubic yards of timber debris accumulated along Sugar Creek.	8/28/2015
On behalf of the Village of Bensenville, removed approximately 15 cubic yards of timber debris accumulated along Addison Creek.	8/31/2015
On behalf of the City of Wheaton, removed approximately 10 cubic yards of timber debris accumulated along Winfield Creek.	8/31/2015
On behalf of the City of West Chicago, removed approximately 20 cubic yards of timber debris accumulated along Kress Creek.	10/20/2015
On behalf of the Village of Bloomingdale, removed approximately 30 cubic yards of timber debris accumulated along East Branch DuPage River.	10/30/2015
On behalf of the City of Naperville, removed approximately 85 cubic yards of timber debris accumulated along West Branch DuPage River.	11/10/2015
On behalf of the Village of Bloomingdale, removed approximately 45 cubic yards of timber debris accumulated along East Branch DuPage River.	11/13/2015
On behalf of the City of Wheaton, removed approximately 120 cubic yards of timber debris accumulated along Winfield Creek.	2/29/2016
On behalf of the DuPage County Department of Public Works and Operations, removed approximately 890 cubic yards of timber debris accumulated along the following streams; Black Partridge Creek, East Branch DuPage River, Salt Creek, Sawmill Creek, Spring Brook Creek, Tributary #1 (WBDR), Tributary #4 (WBDR), and West Branch DuPage River.	3/31/2016

F.4: Municipal Operations and Waste Disposal

Goals

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.

Milestone

Continue evaluating the procedures and implementation for proper waste disposal. County facilities will submit record keeping of pollution prevention and good housekeeping activities for annual reporting.

Summary

Date

Continued pollution prevention practices, such as the use of concrete walls with tresses for the two salt dome containment areas at the Division of Transportation's maintenance facility and oil and grit separators close to the gasoline pumps and garages within DuPage County grounds and facilities.

3/31/2016

Incorporated the use of alternative deicing products, such as Ecosalt (a pre-treated small granular salt used on the County campus grounds); liquid calcium chloride (used during extremely low temperatures); Geomelt (a sugar beet based organic accelerator used to pre-treat the County's salt stock pile); Geomelt K (a non-chloride liquid used in parking garages); and S-7 (an anti-icing liquid applied to roads for pre-wetting purposes). DuPage County has continued to share anti-icing, pre-treatment solutions with interested townships, including: Bloomingdale Township, Downers Grove Township, Lisle Township, Milton Township, Naperville Township, Wayne Township, Winfield Township, and York Township.

3/31/2016

F.5: Flood Management/Assess Guidelines

Goals

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.

Milestone

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 Cemetery 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.

Summary

Date

Held a public information meeting regarding the publication, by FEMA, digital copies of the preliminary Flood Insurance Rate Map (FIRM) and Flood Insurance Study (FIS) for DuPage County. Residents in or near floodplain, realtors, insurance agents, and developers were encouraged to attend.

7/29/2015

Hosted a meeting in the Village of Winfield to discuss the draft Phase 1 Addendum to the Winfield Creek Watershed Plan. The document identifies potential projects to reduce flooding within the watershed.

11/12/2015

Partnered with Chicago Metropolitan Agency for Planning and the DuPage River/Salt Creek Workgroup to establish a framework for completion of the Lower Salt Creek Watershed Plan.

12/1/2015

Received approval, from Illinois Environmental Protection Agency, of the Spring Brook No. 1 Watershed Plan.

12/8/2015

Adopted Phase I of an Addendum to the Winfield Creek Watershed Study and Flood Control Plan, prepared for inclusion into the West Branch DuPage River Watershed Plan, by the DuPage County Stormwater Management Planning Committee. The County Board adopted the plan the following week.

1/5/2016

Adopted the Spring Brook No. 1 Watershed Plan, prepared for inclusion into the West Branch DuPage River Watershed Plan, by the DuPage County Stormwater Management Planning Committee. The County Board adopted the plan the following week.

1/5/2016

Annual Facility Inspection Report - Section C

Year 13 of NPDES Permit No. ILR400502

DuPage County, 2nd Notice of Intent (Year 7)

DuPage County, along with the forty-one cooperating permit holders listed in the cover letter, has collected a substantial amount of information, including monitoring data, during the reporting period. Such data can be viewed online at the following locations:

Bioassessment data, including chemical, fish, macroinvertebrate, and habitat information, can be found at the DuPage River/Salt Creek Workgroup website- www.drscw.org.

Data associated with the continuous ambient monitoring efforts, utilizing sondes, at fifteen locations throughout the West Branch DuPage River, East Branch DuPage River, and Salt Creek watersheds can be found at the DuPage River/Salt Creek Workgroup website- www.drscw.org.

Illicit discharge detection and elimination dry-weather screening has been conducted regionally by DuPage County Stormwater Management. During the reporting period, the following results were obtained by testing discharging outfalls:

Outfall	Date	Discharge	Color	Odor	Turbidity	Floatables	pH (SU)	Temperature (°C)	Specific Conductance (uS/cm)	Salinity (ppt)	Ammonia (mg/L)	Surfactants (mg/L)	Flouride (mg/L)
8229633-0247545	11/16/2015	Trickle	Clear	None	None	None	6	9.2	798	0.4	0.00	0.00	0.4
8238852-0247649	11/16/2015	Moderate	Clear	None	None	None	6	8.1	1,233	0.6	0.00	0.00	0.4
8273898-0189842	11/16/2015	Trickle	Clear	None	None	None	6	9.9	1,073	0.5	0.01	0.25	0.3
8275174-0194920	11/16/2015	Trickle	Clear	None	None	None	6	11.4	1,848	0.9	0.00	0.25	0.4
8275460-0198084	11/16/2015	Trickle	Clear	None	None	None	6	12.6	909	0.5	0.12	0.25	0.4
8298215-0293902	11/16/2015	Trickle	Clear	None	None	None	6	13.1	1,161	0.6	0.00	0.00	0.2
8315784-0235076	11/16/2015	Moderate	Clear	None	None	None	6	14.2	1,137	0.6	0.00	0.25	0.3
8363963-0293005	11/16/2015	Trickle	Clear	None	None	None	6	15.7	1,019	0.5	0.00	0.25	0.2
8372199-0291595	11/16/2015	Moderate	Clear	None	None	None	7	13.4	1,465	0.7	0.00	0.25	0.2
8388286-0383805	11/16/2015	Moderate	Clear	None	None	None	6	12.0	396	0.2	0.01	0.00	0.3
8388637-0366107	11/16/2015	Moderate	Clear	Sewage	None	Suds	6	12.3	1,287	0.6	0.28	0.25	0.3
8500862-0629126	9/2/2015	Trickle	Clear	None	None	None	6	13.2	2,194	1.1	0.01	0.25	0.6
8501613-0640869	9/2/2015	Moderate	Clear	None	None	None	7	14.5	2,056	1.1	0.01	0.25	0.5
8501808-0640862	9/2/2015	Trickle	Clear	None	None	None	6	12.8	936	0.5	0.01	0.00	0.3
8528769-0892956	11/10/2015	Moderate	Clear	None	None	None	6	12.3	1,182	0.6	0.00	0.00	0.2
8580707-0675147	10/20/2015	Trickle	Clear	None	None	None	6	14.2	1,520	0.8	0.01	0.25	0.4
8584587-0588842	11/10/2015	Trickle	Clear	None	None	None	7	9.7	1,120	0.6	0.00	0.00	0.3
8588861-0665693	10/20/2015	Moderate	Clear	None	None	None	7	15.9	1,742	0.9	0.08	0.25	0.4
8649294-0783225	12/7/2015	Moderate	Clear	None	None	None	6	4.1	1,012	0.5	0.13	0.25	0.2
8671810-0635345	12/7/2015	Trickle	Clear	None	None	None	6	6.5	1,156	0.6	0.00	0.25	0.3
8672035-0634404	12/7/2015	Moderate	Clear	None	None	None	6	8.7	1,579	0.8	0.00	0.25	0.3
8675121-0625528	12/7/2015	Trickle	Clear	None	None	None	6	9.8	1,724	0.9	0.00	0.25	0.3
8677008-0200796	11/4/2015	Moderate	Yellow	None	None	None	6	13.6	686	0.3	0.12	0.00	0.1
8695234-0223540	9/21/2015	Trickle	Clear	None	None	None	6	13.8	3,464	1.8	0.12	0.50	0.4
8699777-0231432	9/17/2015	Moderate	Clear	None	None	None	6	15.4	1,753	0.9	0.09	0.25	0.3
8741733-0277680	11/4/2015	Moderate	Clear	None	None	None	6	14.4	1,655	0.8	0.02	0.25	0.1
8746692-0279590	11/4/2015	Trickle	Clear	None	None	None	6	14.3	1,077	0.5	0.28	0.00	0.2
8757426-0283913	11/4/2015	Moderate	Clear	None	None	None	7	13.1	1,875	1.0	0.06	0.00	0.3
8767068-0224415	12/7/2015	Trickle	Clear	None	None	None	6	11.3	1,937	1.0	0.00	0.25	0.3
8771950-0285949	12/7/2015	Moderate	Clear	None	None	None	6	11.9	1,479	0.7	0.00	0.25	0.1
8788043-0263367	9/2/2015	Trickle	Clear	None	None	None	6	13.5	1,193	0.6	0.08	0.00	1.2
8790320-0259951	11/10/2015	Trickle	Clear	None	None	None	7	14.4	2,755	1.4	0.06	0.25	0.3
8810650-0225713	10/14/2015	Trickle	Clear	None	None	None	7	16.9	1,695	0.9	0.00	0.00	0.3
8812146-0224370	11/10/2015	Trickle	Clear	None	None	None	6	14.0	2,714	1.4	0.03	0.25	0.3
8829724-0209481	11/10/2015	Moderate	Clear	None	None	None		13.2	2,327	1.2	0.07	0.25	0.3

Annual Facility Inspection Report - Section D

Year 13 of NPDES Permit No. ILR400502

DuPage County, 2nd Notice of Intent (Year 7)

BMP A.1: Distribution of Paper Material

Year1 Develop and distribute both paper and electronic material regarding the control of pollutants from seasonal sources and activities: One brochure packet of seasonal publications developed or updated in the year.

BMP A.2: Speaking Engagement

Year1 Engage interested parties through presentations detailing water quality trends for DuPage County waterways and highlighting practices that can reduce the transport of pollutants along with stormwater into those same waterways: Five presentations made during the year.

BMP A.3: Public Service Announcement

Year1 Disburse press releases, public service announcements, and messages through social media to residents of the entirety of DuPage County. These messages detail water quality trends for DuPage County waterways and highlight practices that can reduce the transport of pollutants along with stormwater into those same waterways: Eight messages broadcast within the year.

BMP A.4: Community Event

Year1 Present, through booths, workshops, or presentations, water quality issues to members of the community. Presentations detail water quality trends for DuPage County waterways and highlight practices that can reduce the transport of pollutants along with stormwater into those same waterways: Two events hosted or attended throughout the year.

BMP A.5: Classroom Education Material

Year1 Educate school aged children regarding the basic principals of watersheds and practices to reduce the transfer of pollutants to waterways, including rain gardens, rain barrels, permeable pavers, green roofs, native plants, bioswales, and various source control measures: 300 students in attendance at outreach programs throughout the year.

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

Year1 Organize or serve as a principal participant in a stakeholder meeting that addresses matters pertaining to pollutant reduction on a watershed level: Six meetings held throughout the year.

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

Year1 Conduct a meeting for the public to provide input as to the adequacy of the established Storm Water Management Program: One meeting held within the year.

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

Year1 Conduct assessments to gauge citizen and partner views, behaviors, and concerns pertaining to a variety of topics, including water quality, property management, and residential pollution control: One survey developed or disbursed within the year.

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

Year1 Host events, such as Adopt-a-Stream, River Sweep, and Storm Drain Stenciling, where residents are engaged in reducing the transport of pollutants to, or directly removing pollutants from, waterways within DuPage County: 400 participants involved in public events throughout the year.

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

Year1 Collect and compile, from a variety of sources, storm sewer maps. These maps identify the locations of storm sewer outfalls discharging to Waters of the State. The desired end product is one comprehensive, Countywide storm sewer atlas: Fifty percent of the comprehensive atlas developed within the year.

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

Year1 Compile information pertaining to the ten step prioritization plan identified in the "DuPage County IDDE Program Technical Guidance" document: Two steps (No. 1 and 2) in the prioritization process completed within the year.

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

Year1 Distribute educational materials pertaining to illicit discharges to DuPage County residents and businesses. DuPage County maintains an Illicit Discharge Detection and Elimination Hotline, where interested parties are able to report suspect discharges from the storm sewer system into waterways located within DuPage County. Often, these reported discharges originate from an individual or business that is unaware of the implications of their activities: Ten pieces of educational material, including letters, flyers, posters, brochures, and other public education tools, distributed throughout the year.

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

Year1 Perform the visual screening of MS4 outfalls discharging to Waters of the State during dry-weather conditions: Ten percent of known outfalls inspected within the year.

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

Year1 Conduct monitoring for the following chemical parameters when visual characterization of the discharge indicates an illicit nature: surfactants, ammonia, potassium, fluoride, conductivity, and pH: Fifty percent of outfalls releasing a suspected illicit discharge chemically monitored throughout the year.

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

Year1 Review construction permit submittals to identify opportunities for avoidance of impacts to channels, wetlands, and adjoining property and require all necessary erosion and sediment control plans: 100 construction permit submittal reviewed throughout the year.

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

Year1 Inspect, in unincorporated areas of DuPage County, to ensure that disturbed sites meet soil erosion and sediment control requirements outlined in the DuPage County Countywide Stormwater and Flood Plain Ordinance. The Ordinance mandates the developments disturbing one acre or greater of land shall comply with the requirements of general permit ILR10: Forty percent of enforcement actions initiated, versus the total number of inspections performed, throughout the year.

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

Year1 Review the regulatory framework established by the DuPage County Countywide Stormwater and Flood Plain Ordinance. Following review, the need for changes in Ordinance text, performance of community audits, general certification adoption, or development of technical guidance may be recognized: One regulatory activity performed within the year.

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

Year1 Maintain DuPage County owned property on which native vegetation was established for pollutant control purposes. These properties typically contain, at least in part, riparian, wetland, or floodplain areas or post-construction best management practices: Fifty-five percent of County owned properties planted with native vegetation maintained throughout the year.

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

Year1 Certify, for permit approval, permit submittals. Approval is granted to submittals that are in compliance with the DuPage County Countywide Stormwater and Flood Plain Ordinance, which requires post-construction best management practices (PCBMPs) for all developments with a 2,500 square foot net increase of impervious surface: Thirty percent of permit submittals certified, versus the total number of submittals, throughout the year.

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

Year1 Conduct post-construction inspections at sites containing post-construction best management practices, wetland buffer, riparian enhancement, or wetland mitigation: 100 post-construction inspections performed throughout the year.

BMP ***E.7: Other Post-Construction Runoff Controls***

Year1 Host annual training in current green infrastructure or low impact design techniques: Eighty percent of applicable employees and contractors involved in the management of public surfaces trained within the year.

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

Year1 Send DuPage County staff to training to learn procedures and practices that will minimize the discharge of pollutants from municipal operations into the storm sewer system. Examples of training topics include automobile maintenance, hazardous material storage, landscaping and lawn care, parking lot and street cleaning, pest control, pet waste collection, road salt application and storage, roadway and bridge maintenance, spill response and prevention, and storm drain system cleaning: 25 staff members attending training throughout the year.

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

Year1 Follow established procedures to remove accumulated timber debris from stormwater facilities that have potential to cause a regional stormwater problem: 200 cubic yards of debris removed from drainageways throughout the year.

BMP ***F.3: Municipal Operations Storm Water Control***

Year1 Develop standard operating procedures and checklists for municipal operators to use to assess the need for pollution prevention measures for wash water, spills, leaks, debris, deicing materials, and other chemicals on their property: Ten corrections made in response to assessments within the year.

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

Year1 Ensure that new flood management projects assess the impacts on water quality and examine existing projects for incorporation of additional water quality protection devices or practices: One watershed, or component thereof, completed and approved by the Stormwater Management Planning Committee and County Board within the year.

Annual Facility Inspection Report - Section E

Year 13 of NPDES Permit No. ILR400502

DuPage County, 2nd Notice of Intent (Year 7)

The forty-one 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 13 of NPDES Permit No. ILR400502

DuPage County, 2nd Notice of Intent (Year 7)

A list of construction projects greater than one acre of disturbed area that DuPage County has paid for within the reporting period is included below:

Project Name	Disturbed Acres	County Entity Constructing Project	Date NOI Submitted
Armstrong Park Flood Control Reservoir and Pump Station	20	Department of Stormwater Management	6/6/2014
Warrenville Road / County Highway 3	13	Division of Transportation	7/15/2014
West Branch DuPage River Flood Control	4	Department of Stormwater Management	1/29/2015
75 th Street / County Highway 33	6	Division of Transportation	2/11/2015
Warrenville Road Bridge	1.6	Division of Transportation	4/14/2015
Fabyan Parkway / County Highway 21	16	Division of Transportation	5/4/2015
Plainfield Road from Manning Road to Cass Avenue	10	Division of Transportation	3/23/2016