



Illinois Environmental Protection Agency

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

Notice of Intent for New or Renewal of General Permit for Discharges from Small Municipal Separate Storm Sewer Systems - MS4's

Part I. General Information

1. MS 4 Operator Name: County of DuPage

2. MS4 Mailing Address: 421 N. County Farm Road

City: Wheaton State: IL

3. Operator Type: County Other: _____

4. Operator Status: County Other: _____

5. Name(s) of governmental entity(ies) in which MS4 is located:

County of DuPage, IL

6. Area of land that drains to your MS4 in square miles: 336

7. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:

Latitude:			Longitude:		
<u>41</u>	<u>50</u>	<u>23.5</u>	<u>88</u>	<u>05</u>	<u>17.6</u>
Degrees	Minutes:	Seconds:	Degrees:	Minutes:	Seconds:

8. Name(s) of known receiving waters

Salt Creek and tributaries East Branch DuPage River and tributaries

West Branch DuPage River and tributaries Sawmill Creek and tributaries

DesPlaines River tributaries Fox River tributaries

9. Persons responsible for implementation or coordination of Stormwater Management Program:

Name: Anthony J. Charlton, P.E. Title: Director, Stormwater Management Phone: 630-407-6755

Area of Responsibility: Overall Program

Name: _____ Title: _____ Phone: _____

Area of Responsibility: _____

Part II. Best Management Practices (include shared responsibilities) which have been implemented or are proposed to be implemented in the MS4 area:

A. Public Education and Outreach

Qualifying Local Programs:

DuPage County employs a Stormwater Outreach Coordinator and is engaged in contracts with consultants to provide education and outreach pertaining to the reduction of pollutants in stormwater runoff. These efforts take place throughout the entirety of DuPage County.

Measurable Goals (include shared responsibilities)

A.1 Distributed Paper Material

Brief Description of BMP:

Develop and distribute both paper and electronic material regarding the control of pollutants from seasonal sources and activities.

Measurable Goals, including frequencies:

The number of seasonal publications developed or updated per year.

Milestones:

Go to Additional Pages

Year 1:

1 brochure packet

Year 2:

2 brochure packets

Year 3:

2 brochure packets

Year 4:

3 brochure packets

Year 5:

4 brochure packets

A.2 Speaking Engagement

Brief Description of BMP:

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.

Measurable Goals, including frequencies:

The number of presentations made per year.

Milestones:

Year 1:

5 presentations

Year 2:

5 presentations

Year 3:

6 presentations

Year 4:

7 presentations

Year 5:

7 presentations

Go to Additional Pages

A.3 Public Service Announcement

Brief Description of BMP:

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.

Measurable Goals, including frequencies:

The number of messages broadcast per year.

Milestones:

Year 1:

8 messages

Year 2:

9 messages

Year 3:

10 messages

Year 4:

11 messages

Year 5:

12 messages

Go to Additional Pages

A.4 Community Event

Brief Description of BMP:

Present, through booths, workshops, or presentations, water quality issues to members of the community. Presentations detail water quality trends for DuPage County waterways and highlighting practices that can reduce the transport of pollutants along with stormwater into those same waterways.

Measurable Goals, including frequencies:

The number of events attended or hosted per year.

Milestones:

Year 1:
2 events staffed

Year 2:
3 events staffed

Year 3:
4 events staffed

Year 4:
5 events staffed

Year 5:
6 events staffed

Go to Additional Pages

A.5 Classroom Education Material (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Educate school aged children regarding the basic principles 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.

Measurable Goals, including frequencies:

The number of students in attendance of outreach programs per year.

Milestones:

Year 1:
300 students

Year 2:
330 students

Year 3:
363 students

Year 4:
399 students

Year 5:
439 students

Go to Additional Pages

A.6 Other Public Education

B. Public Participation/Involvement

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

DuPage County seeks to engage a broad range of individuals and interests to provide input regarding policies and projects related to the control and reduction of pollutants in stormwater runoff. Input is obtained by hosting and participating in stakeholder meetings, as well as facilitating the involvement of the public, including underrepresented sectors, in the process..

B.2 Educational Volunteer

B.3 Stakeholder Meeting

(You may need to go to the next page to fill in this information)

Brief Description of BMP:

Organize or serve as a principal participant in a stakeholder meeting that addresses matters pertaining to pollutant reduction on a watershed level.

Measurable Goals, including frequencies:

The number of meetings held per year.

Milestones:

Year 1:

6 meetings

Year 2:

7 meetings

Year 3:

8 meetings

Year 4:

9 meetings

Year 5:

10 meetings

Go to Additional Pages

B.4 Public Hearing

(You may need to go to the next page to fill in this information)

Brief Description of BMP:

Conduct a meeting for the public to provide input as to the adequacy of the established Storm Water Management Program.

Measurable Goals, including frequencies:

Number of meetings held per year.

Milestones:

Year 1:

1 meeting

Year 2:

1 meeting

Year 3:

1 meeting

Year 4:

1 meeting

Year 5:

1 meeting

Go to Additional Pages

B.5 Volunteer Monitoring

B.6. Program Involvement

(You may need to go to the next page to fill in this information)

Brief Description of BMP:

Conduct assessments to gauge citizen and partner views, behaviors, and concerns pertaining to a variety of topics, including water quality, property management, and residential pollutant control.

Measurable Goals, including frequencies:

The number of surveys developed and disbursed per year.

Milestones:

Year 1:

1 assessment

Year 2:

1 assessment

Year 3:

1 assessment

Year 4:

1 assessment

Year 5:

1 assessment

Go to Additional Pages

B.7 Other Public Involvement

(You may need to go to the next page to fill in this information)

Brief Description of BMP:

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.

Measurable Goals, including frequencies:

The number of individuals involved in public events per year.

Milestones:

Year 1:

400 participants

Year 2:

420 participants

Year 3:

441 participants

Year 4:

463 participants

Year 5:

486 participants

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C. Illicit Discharge Detection and Elimination

Qualifying Local Programs:

DuPage County is in partnership with the majority of municipalities regarding the screening for and tracing of illicit discharges into Waters of the State from MS4 outfalls. County staff hosts an illicit discharge hotline, performs field inspections of known outfall locations, and, where applicable, traces a suspected illicit discharge to the source.

Measurable Goals (include shared responsibilities)

- C.1 Sewer Map Preparation (You may need to go to the next page to fill in this information)

Brief Description of BMP:

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.

Measurable Goals, including frequencies:

The percentage of DuPage County for which a storm sewer atlas has been compiled.

Milestones:

Year 1:
50 percent

Year 2:
60 percent

Year 3:
70 percent

Year 4:
80 percent

Year 5:
90 percent

Go to Additional Pages

- C.2 Regulatory Control Program
- C.3 Detection/Elimination Prioritization Plan (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Compile information pertaining to the ten step prioritization plan identified in the DuPage County IDDE Program Technical Guidance.

Measurable Goals, including frequencies:

The number of steps in the prioritization process completed per year.

Milestones:

Year 1:
2 steps (1 & 2)

Year 2:
2 steps (3 & 4)

Year 3:
2 steps (5 & 6)

Year 4:

Year 5:

2 steps (9 & 10)

Go to Additional Pages

C.4 Illicit Discharge Tracing Procedures

C.5 Illicit Source Removal Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

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.

Measurable Goals, including frequencies:

The number of letters, flyers, posters, brochures or other public education tools distributed per year.

Milestones:

Year 1:

10 pieces of educational material

Year 2:

11 pieces of educational material

Year 3:

12 pieces of educational material

Year 4:

13 pieces of educational material

Year 5:

14 pieces of educational material

Go to Additional Pages

C.6 Program Evaluation and Assessment

C.7 Visual Dry Weather Screening (You may need to go to the next page to fill in this information)

Perform the visual screening of MS4 outfalls discharging to Waters of the State during dry-weather conditions.

Measurable Goals, including frequencies:

The number of outfalls inspected per year.

Milestones:

Year 1:

10 percent of known outfalls

Year 2:

15 percent of known outfalls

Year 3:

20 percent of known outfalls

Year 4:

25 percent of known outfalls

Year 5:

30 percent of known outfalls

Go to Additional Pages

C.8 Pollutant Field Testing

(You may need to go to the next page to fill in this information)

Brief Description of BMP:

Conduct monitoring for the following chemical parameters when visual characterization of the discharge indicates an illicit nature: surfactants, ammonia, potassium, fluoride, conductivity, and pH.

Measurable Goals, including frequencies:

The percentage of outfalls releasing a suspected illicit discharge chemically monitored per year.

Milestones:

Year 1:

50 percent

Year 2:

60 percent

Year 3:

70 percent

Year 4:

80 percent

Year 5:

90 percent

Go to Additional Pages

C.9 Public Notification

C.10 Other Illicit Discharge Controls

D. Construction Site Runoff Control

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

In addition to review of construction permit submittals for projects taking place within unincorporated of DuPage County, County staff also reviews construction permit submittals for a number of municipalities when special management areas are involved in the project.

D.1 Regulatory Control Program

D.2 Erosion and Sediment Control BMPs

D.3 Other Waste Control Program

D.4 Site Plan Review Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

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.

Measurable Goals, including frequencies:

The number of construction permit submittals reviewed per year.

Milestones:

Year 1:

100 reviews

Year 2:

105 reviews

Year 3:

110 reviews

Year 4:

116 reviews

Year 5:

122 reviews

Go to Additional Pages

D.5 Public Information Handling Procedures

D.6 Site Inspection/Enforcement Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

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 that all developments provide both temporary and permanent erosion and sediment control and those developments disturbing one acre or greater of land shall comply with the requirements of general permit ILR10.

Measurable Goals, including frequencies:

The percentage of enforcement actions initiated, versus the total number of inspections performed, per year.

Milestones:

Year 1:

40 percent

Year 2:

35 percent

Year 3:

30 percent

Year 4:

25 percent

Year 5:

20 percent

Go to Additional
Pages

D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Qualifying Local Programs:

The DuPage County Countywide Stormwater and Flood Plain Ordinance (DCCSFPO) establishes a minimum level of regulatory compliance that a municipality within DuPage County must meet. Several communities have waived their legal authority to enforce the DCCSFPO, either partially or wholly, within their jurisdiction. DuPage County staff offers numerous services for those communities, including permit submittal review and post-construction inspections at sites containing wetland buffer, riparian enhancement, wetland mitigation, and post-construction best management practices.

Measurable Goals (include shared responsibilities)

- E.1 Community Control Strategy
- E.2 Regulatory Control Program

Brief Description of BMP:

Review of the regulatory framework established by the DCCSFPO. Following review, the need for changes in Ordinance text, performance of community audits, general certification adoption, or development of technical guidance may be recognized.

Measurable Goals, including frequencies:

The number of regulatory activities performed per year.

Milestones:

- Year 1:
1 activity
- Year 2:
1 activity
- Year 3:
2 activities
- Year 4:
2 activities
- Year 5:
3 activities

Go to Additional Pages

- E.3 Long Term O & M Procedures (You may need to go to the next page to fill in this information)

Maintain DuPage County owned property on which native vegetation was established for pollutant control purposes. These properties typically contain riparian, wetland, or floodplain areas or post-construction best management practices.

Measurable Goals, including frequencies:

The percentage of County owned properties planted with native vegetation maintained per year.

Milestones:

Year 1:

55 percent

Year 2:

60 percent

Year 3:

65 percent

Year 4:

70 percent

Year 5:

75 percent

Go to Additional Pages

E.4 Pre-Construction Review of BMP Designs (You may need to go to the next page to fill in this information)

Brief Description of BMP:

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 surfaces.

Measurable Goals, including frequencies:

The percentage of permit submittals certified, versus the total number of submittals, per year.

Milestones:

Year 1:

30 percent

Year 2:

35 percent

Year 3:

40 percent

Year 4:

45 percent

Year 5:

50 percent

Go to Additional Pages

E.5 Site Inspections During Construction

E.6 Post-Construction Inspections

Conduct post-construction inspections at sites containing post-construction best management practices, wetland buffer, riparian enhancement, or wetland mitigation.

Measurable Goals, including frequencies:

The number of post-construction inspections performed per year.

Milestones:

Year 1:

100 inspections

Year 2:

110 inspections

Year 3:

121 inspections

Year 4:

133 inspections

Year 5:

146 inspections

Go to Additional Pages

E.7 Other Post-Construction Runoff Controls (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Annual training in current green infrastructure or low impact design techniques.

Measurable Goals, including frequencies:

Percentage of applicable employees and contractors involved in the management of public surfaces trained.

Milestones:

Year 1:

80

Year 2:

85

Year 3:

90

Year 4:

95

Year 5:

100

Go to Additional Pages

F. Pollution Prevention/Good Housekeeping

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

DuPage County, through passage of the DuPage County Stormwater Management Plan (DCSMP, 1989), assumed responsibility for regional watershed planning. Where applicable, watershed plans are to include updated and revised floodplain maps, basin-specific ordinances, recommended improvement projects and programs to alleviate present and anticipated flooding problems, and identification of wetlands and critical habitats. Additionally, DuPage County offers stream maintenance services to remove large timber debris accumulations from waterways when contacted by requesting municipalities. The DCSMP states that primary responsibility for maintenance lies within the municipality in which the stormwater facility, including drainageways (rivers, streams, and ditches), is located; however, such a service for potential regional stormwater problems is offered to reduce overall cost and increase expediency in blockage removal.

F.1 Employee Training Program (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Send 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.

Measurable Goals, including frequencies:

The number of staff members attending training per year.

Milestones:

Year 1:
25 employees

Year 2:
30 employees

Year 3:
35 employees

Year 4:
40 employees

Year 5:
45 employees

Go to Additional Pages

F.2 Inspection and Maintenance Program (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Follow established procedures to remove accumulated timber debris from stormwater facilities that have potential to cause a regional stormwater problem.

Measurable Goals, including frequencies:

The number of cubic yards removed from drainageways per year.

Milestones:

Year 1:

200 cubic yards

Year 2:

220 cubic yards

Year 3:

242 cubic yards

Year 4:

266 cubic yards

Year 5:

293 cubic yards

Go to Additional Pages

F.3 Municipal Operations Storm Water Control (You may need to go to the next page to fill in this information)

Brief Description of BMP:

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.

Measurable Goals, including frequencies:

Number of corrections made in response to assessments.

Milestones:

Year 1:

10 corrections

Year 2:

5 corrections

Year 3:

3 corrections

Year 4:

2 corrections

Year 5:

1 correction

Go to Additional Pages

F.4 Municipal Operations Waste Disposal

F.5 Flood Management/Assess Guidelines (You may need to go to the next page to fill in this information)

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.

Measurable Goals, including frequencies:

The number of completed watershed plans, or components thereof, approved by the Stormwater Management Planning Committee and County Board per year.

Milestones:

Year 1:

1 watershed plan

Year 2:

1 watershed plan

Year 3:

1 watershed plan

Year 4:

1 watershed plan

Year 5:

1 watershed plan

Go to Additional Pages

F.6 Other Municipal Operations Controls

Part III. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fines and imprisonment.

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)).

Anthony J. Charlton, P.E.

Director, Stormwater Management

05/16/2016

Authorized Representative Name

Title

Date


Authorized Representative Signature

You may complete this form online and save a copy locally before printing and signing the form. It should then be sent to:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Attn: Permit Section
P.O. Box 19276
1021 North Grand Avenue East
Springfield, IL 62794-9276

Additional Info - Page 1

A. Public Education and Outreach

BMP Number _____

Add Another BMP

Delete Last Entry

Additional Info - Page 2

B. Public Participation/Involvement

BMP Number _____

Add Another BMP

Delete Last Entry

Additional Info - Page 3

C. Illicit Discharge Detection and

BMP Number _____

Add Another BMP

Delete Last Entry

D. Construction Site Runoff Control

BMP Number _____

Add Another BMP

Delete Last Entry

E. Post-Construction Runoff Control

BMP Number _____

Add Another BMP

Delete Last Entry

F. Pollution Prevention/Good

BMP Number _____

Add Another BMP

Delete Last Entry