



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

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

Part I. Municipal (MS4) Contact Information

1. Name of Municipality: Kane County MS4 #: ILR400259
 Population (based on 2010 census): 515,269
2. MS4 Mailing Address: 719 S Batavia Ave City: Geneva, IL Zip: 60134
3. Primary MS4 Contact Person (Authorized Representative for MS4 Permit)
 Name: Rob Linke, P.E. Title: Sr Water Resources Engineer
 Phone: 630-232-3498 Email Address: linkerobert@co.kane.il.us

General Information

4. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:
 Latitude: 41 59 16 Longitude: 88 24 6
Degrees Minutes Seconds Degrees Minutes Seconds
5. Community Type: County Other: _____
6. Name(s) of governmental entity(ies) in which MS4 is located:
- | City/Village | Township | County |
|--------------|----------|--------|
| | | Kane |
7. Area of land within your MS4 in square miles: 62.4
8. Percent of MS4 served by combined sewer: 0 Percent of MS4 served by separate sewer: 100

Impaired Waters

The most recent 303(d) list may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/303d-list.aspx>. Information regarding TMDLs may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/default.aspx>.

Name(s) of known receiving waters (in and within 3 miles of MS4 area)	Impairment listed on 303d List or TMDL?
Fox River Watershed (See Attachment A)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Kishwaukee River (See Attachment A)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

9a. If impaired, which potential causes and source?

Causes: See Attachment A

Source: See Attachment A

9b. Are the receiving waterbodies included in an approved TMDL or alternate water quality management plan? Yes No

If yes, what measures to comply with the TMDL waste load allocation (WLA) are being implemented or are planned?

Kane County is an active member of the Fox River Study Group, who is working on an alternate WQMP for the Fox River Watershed. The final WQMP is scheduled to be completed by December 2022. Additionally, in June 2019, Kane County adopted a revised stormwater management ordinance in which all developments proposing more than 5000sq ft of impervious area are required to provide structural BMPs to store and infiltrate 1 inch of stormwater runoff from the impervious areas.

9c. Is the MS4 community included in the chloride variance? Yes No

Program Responsibility

10. Shared Responsibility

Is your MS4 responsible for any permit requirements of another MS4 community? Yes No

Does your MS4 Community rely on another MS4 to satisfy any of the permit requirements? Yes No

11. Co-Permittee

Is your MS4 Community a Co-Permittee with another MS4 Community? Yes No

12. Other contacts responsible for implementation or coordination of Stormwater Management Program

Name: Jodie L. Wollnik Title: Director, Kane Co Dept of Environmental & Water Res

Phone: 630-232-3497 Email: wollnikjodie@co.kane.il.us

Area of Responsibility: Overall administrator for Kane County Stormwater Management Ordinance

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

Approximate date first implemented: 2014 Frequency of each BMP program: _____

Qualifying Local Programs

Under the umbrella of the "Clean Water for Kane" campaign, Kane County will distribute educational materials to residents through a variety of printed, digital, and in-person methods. Public education and outreach activities will provide up-to-date information on stormwater Best Management Practices, water quality issues and water conservation in order to educate and inform Kane County residents about the impacts of stormwater runoff on receiving water bodies and the steps that the public can take to reduce those impacts. "Clean Water for Kane" educational materials will place special emphasis on the potential effects on stormwater due to climate change (Part IV.B.1.a), and will be distributed to targeted areas identified as environmental justice areas within unincorporated Kane County (Part IV.B.2.d).

Measurable Goals (include shared responsibilities)

A.1 Distributed Paper Material

Brief Description of BMP

Kane County will include a "Water Wise Corner" in the Kane County Recycles Green Guide that is developed and distributed throughout Kane County on an annual basis to a range of audiences - including homeowners, local businesses, municipal offices (including other MS4 communities), schools, places of worship, and other community groups.

Measurable Goals, including frequencies

Revise "Water Wise Corner" in Kane County Recycles Green Guide every spring. Track the total number of recipients each year for the printed and mailed guides, as well as recipients of the digital guide.

Milestones

- Year 1: Kane County began implementation of this BMP in 2014 and will continue to implement it on an annual basis.
- Year 2: Continue to implement on an annual basis.
- Year 3: Continue to implement on an annual basis.
- Year 4: Continue to implement on an annual basis.
- Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

A.2 Speaking Engagement

Brief Description of BMP

Kane County provides educational presentations related to stormwater management on a regular basis through involvement in local watershed groups and other environmental committees, as well as through board meetings of the Kane County Energy & Environmental Committee and the Kane County Development Committee - both of which are open to the public. Kane County staff will continue to give NPDES program information and updates via speaking engagements throughout the County, ensuring that a minimum of one public presentation is given per year (Part IV.B.2.c).

Measurable Goals, including frequencies

Provide regular educational presentations as relevant and appropriate throughout the year, ensuring a minimum of one public presentation annually. Track the number of speaking engagements, locations, topics presented, and number of

attendees at each engagement.

Milestones

Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

A.3 Public Service Announcement

Brief Description of BMP

A public service announcement for the "Clean Water for Kane" campaign was developed in 2014 by the Kane County Dept. of Environmental & Water Resources to educate the public on stormwater management and water conservation. The PSA is made available to the community through the Kane County website, via links in Kane County Connects articles and social media sites, and through special showings at local movie theaters and through other digital media outlets throughout Kane County.

Measurable Goals, including frequencies

Establish a schedule to ensure widespread distribution of the "Clean Water for Kane" PSA. Track the number of PSA showings, locations, and audience reach each year.

Milestones

Year 1: Kane County began implementation of this BMP in 2014 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

A.4 Community Event

Brief Description of BMP

Educate residents and other stakeholder groups on stormwater Best Management Practices and Kane County's NPDES program through multiple community events, including through participation in environmental and watershed special events in the community - such as the Green Fair on the Fox and the It's our River Day in Algonquin - and through regular community education/training events, including the annual well and septic seminar hosted for the public by the Kane County Health Department.

Measurable Goals, including frequencies

Coordinate a minimum of one public educational workshop per year and participate in other community outreach events as relevant. Track the number of events, locations, information distributed, and number of participants for each event.

Milestones

- Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.
- Year 2: Continue to implement on an annual basis.
- Year 3: Continue to implement on an annual basis.
- Year 4: Continue to implement on an annual basis.
- Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

A.5 Classroom Education Material

Brief Description of BMP

The Kane County Dept of Environmental & Water Resources will maintain a collection of stormwater-related educational materials for use in the classroom, and also reach students in the community through educational displays at local libraries and other community venues. Educational displays will focus on stormwater Best Management Practices and water conservation for residents.

Measurable Goals, including frequencies

Update the classroom educational material database on an annual basis. Track the number of educational displays, locations, materials distributed, and number of students reached throughout the year.

Milestones

- Year 1: Kane County began implementation of this BMP in 2014 and will continue to implement it on an annual basis.
- Year 2: Continue to implement on an annual basis.
- Year 3: Continue to implement on an annual basis.
- Year 4: Continue to implement on an annual basis.
- Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

A.6 Other Public Education

Brief Description of BMP

The Kane County Dept of Environmental & Water Resources maintains a "Clean Water for Kane" section of the County website (www.countyofkane.org/FDER/Pages/environmentalResources/stormwaterEducation) to provide stormwater educational resources to a range of audiences, and also develops seasonal stormwater-related informational articles

that are distributed through the Kane County Connects e-newsletter, website, and social media pages (<http://kanecountyconnects.com/>).

Measurable Goals, including frequencies

Update the "Clean Water for Kane" web pages on an annual basis. Track the number of stormwater-related articles in Kane County Connects, topics covered, and audience reach each year.

Milestones

Year 1: Kane County began implementation of this BMP in 2014 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: A.6

The Kane County Dept of Environmental & Water Resources maintains a supply of "Kane County Streams" signs to be installed at road crossings throughout the County. Kane County will provide the signs to MS4 communities as requested for installation within their own municipal boundaries, and will maintain a database of signs manufactured and installed throughout the year.

B. Public Participation/Involvement

Approximate date first implemented: _____ Frequency of each BMP program: _____

Qualifying Local Programs

The Kane County Dept of Environmental & Water Resources provides leadership and support to local watershed groups, including the Fox River Study Group and the Fox River Ecosystem Partnership, in order to coordinate efforts to provide public participation and involvement opportunities throughout Kane County and ensure that a minimum of one public meeting is held per year (Part IV.B.2.c).

Measurable Goals (include shared responsibilities)

B.2 Educational Volunteer

B.3 Stakeholder Meeting

Brief Description of BMP

Kane County is involved in watershed planning and management efforts that seek input from a variety of watershed stakeholders, including municipalities, homeowner associations, developers, landowners, and other community organizations.

Measurable Goals, including frequencies

Provide notice of stakeholder meetings on the Kane County website and distribute meeting information to stakeholder email lists. Track the number of watershed meetings hosted or co-hosted by the County, meeting locations, topics discussed, and participation numbers throughout the year.

Milestones

Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5:

Additional Info

BMP Number: _____

- B.4 Public Hearing
- B.5 Volunteer Monitoring

Brief Description of BMP

Kane County continues to take a multi-level approach to supporting stream monitoring efforts throughout the County by holding a leadership role in watershed groups carrying out monitoring work, as well as by providing financial support for local volunteer monitoring programs and river monitoring via stream gages maintained through a Joint Funding Agreement with the U.S. Geological Survey.

Measurable Goals, including frequencies

Maintain Joint Funding Agreement with the USGS and allocate funding for stream gages on an annual basis. Support local volunteer monitoring program. Track the number of leadership meetings attended and the funding provided on an annual basis.

Milestones

Year 1:

Year 2:

Year 3:

Year 4:

Year 5:

Additional Info

BMP Number: _____

- B.6. Program Involvement
- B.7 Other Public Involvement

Brief Description of BMP

Kane County will provide technical and financial support to the Friends of the Fox River and other local watershed groups as needed, in order to ensure that opportunities exist for public involvement in stream cleanup efforts throughout the County.

Measurable Goals, including frequencies

Allocate funding to support stream cleanups on an annual basis. Track the number of planning meetings or cleanup events attended by Kane County staff each year.

Milestones

Year 1:

Year 2:

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

[Empty text box for additional information]

C. Illicit Discharge Detection and Elimination

Approximate date first implemented: _____ Frequency of each BMP program: _____

Qualifying Local Programs

Kane County will continue to effectively prohibit through regulatory mechanism non-stormwater discharges into the County's MS4 by performing activities related to Illicit Discharge Detection and Elimination, including expanding stormwater system mapping and conducting staff training on the identification of illicit discharges.

Measurable Goals (include shared responsibilities)

C.1 Sewer Map Preparation

Brief Description of BMP

Kane County will update its storm sewer mapping in GIS to include the location and size of all County-owned stormwater outfalls to receiving streams in the urbanized area, and will distribute up-to-date mapping and information across County departments including the Facilities, Transportation, and Emergency Management departments.

Measurable Goals, including frequencies

Update the stormwater system map layer on an annual basis to incorporate new stormwater outfalls identified.

Milestones

Year 1: Kane County began implementation of this BMP in 2015 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

[Empty text box for additional information]

C.2 Regulatory Control Program

Brief Description of BMP

Kane County will utilize regulatory authority to prohibit, inspect, and follow-up with enforcement for illegal discharges into the County's MS4 by following established procedures at the Kane County Health Department. Procedures will address both illicit discharge complaints from the public and potential illicit discharges identified through visual observations by Health Department inspectors. Kane County has regulatory authority to prohibit septic system discharges into the County-owned storm sewers or open channels. If an illegal discharge is suspected, the Health Department inspects the

site and may conduct a dye test and/or collect a water sample for analysis. If the discharge is illegal, the County issues the owner a 30 day notice to correct the deficiency. If the illegal discharge is not corrected, the County then turns the case over to the State Attorney to pursue legal action to enforce elimination of the illegal discharge. Non-septic system discharges are not regulated by the County and these types of suspected illegal discharges are addressed by notifying the regional IEPA office and providing assistance with their investigation as needed.

Measurable Goals, including frequencies

Continue to utilize regulatory authority over illegal discharges. Track the number of illicit discharges identified on an annual basis and document the actions taken to eliminate the discharges.

Milestones

Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

- C.3 Detection/Elimination Prioritization Plan
- C.4 Illicit Discharge Tracing Procedures
- C.5 Illicit Source Removal Procedures
- C.6 Program Evaluation and Assessment
- C.7 Visual Dry Weather Screening
- C.8 Pollutant Field Testing
- C.9 Public Notification
- C.10 Other Illicit Discharge Controls

Brief Description of BMP

Kane County's Environmental Health staff are trained to identify potential illicit discharges to the County's MS4 and to follow the established procedures for eliminating the discharges.

Measurable Goals, including frequencies

Conduct illicit discharge detection training for Environmental Health staff on an annual basis. Track the number of staff trained and total hours of training received.

Milestones

Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

D. Construction Site Runoff Control

Approximate date first implemented: _____ Frequency of each BMP program: _____

Qualifying Local Programs

Kane County adopted a county-wide Stormwater Management Ordinance in 2001, which regulates construction site and post-development stormwater runoff. The County enforces this stormwater program in unincorporated areas of the County, as well as non-waiver communities without the in-house resources to administer and enforce the Ordinance. The Kane County Stormwater Management Ordinance addresses all requirements of the Construction Site Runoff Control measures (D.1-D.7) and the Post-Construction Runoff Control measures (E.1-E.7). Under the ordinance, all applicants must adopt stormwater strategies which minimize increases in stormwater runoff rates, volumes, as well as pollutant loads from development sites. The effects of climate change are currently addressed in the ordinance through requirements to ensure overland flood routes are constructed/preserved in all new development as well as additional protections for the conveyance of excess stormwater through all newly designed stormwater detention facilities. Applicants proposing water quality BMPs under Article V of the County Stormwater Ordinance will be asked to consider the effects of climate change in the design of the proposed BMPs.

Measurable Goals (include shared responsibilities)

D.1 Regulatory Control Program

Brief Description of BMP

The Kane County Stormwater Management Ordinance (available at www.countyofkane.org/FDER/Documents/waterOrdinances/adoptedOrdinance.pdf) addresses all requirements of the Construction Site Runoff Control measures, D.1-D.7.

Measurable Goals, including frequencies

Implement and enforce the Kane County Stormwater Ordinance on a continuous basis, maintaining and updating program documentation annually.

Milestones

Year 1: Kane County began implementation of this BMP in 2001 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

D.2 Erosion and Sediment Control BMPs

D.3 Other Waste Control Program

D.4 Site Plan Review Procedures

D.5 Public Information Handling Procedures

D.6 Site Inspection/Enforcement Procedures

D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Approximate date first implemented: _____ Frequency of each BMP program: _____

Qualifying Local Programs

Kane County adopted a county-wide Stormwater Management Ordinance in 2001, which regulates construction site and post-development stormwater runoff. The County enforces this stormwater program in unincorporated areas of the County, as well as non-waiver communities without the in-house resources to administer and enforce the Ordinance. The Kane County Stormwater Management Ordinance addresses all requirements of the Construction Site Runoff Control measures (D.1-D.7) and the Post-Construction Runoff Control measures (E.1-E.7). Under the ordinance, all applicants must adopt stormwater strategies which minimize increases in stormwater runoff rates, volumes, as well as pollutant loads from development sites. In June 2019, Kane County adopted a revised stormwater management ordinance in which all developments proposing more than 5000sq ft of impervious area are required to provide structural BMPs to store and infiltrate 1 inch of stormwater runoff from the impervious areas. The effects of climate change are currently addressed in the ordinance through requirements to ensure overland flood routes are constructed/preserved in all new development as well as additional protections for the conveyance of excess stormwater through all newly designed stormwater detention facilities. Applicants proposing water quality BMPs under Article V of the County Stormwater Ordinance will be asked to consider the effects of climate change in the design of the proposed BMPs.

Measurable Goals (include shared responsibilities)

E.1 Community Control Strategy

E.2 Regulatory Control Program

Brief Description of BMP

The Kane County Stormwater Management Ordinance (available at www.countyofkane.org/FDER/Documents/waterOrdinances/adoptedOrdinance.pdf) addresses all requirements of the Post-Construction Runoff Control measures, E.1-E.7.

Measurable Goals, including frequencies

Implement and enforce the Kane County Stormwater Ordinance on a continuous basis, maintaining and updating program documentation annually.

Milestones

Year 1: Kane County began implementation of this BMP in 2001 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

E.3 Long Term O & M Procedures

E.4 Pre-Construction Review of BMP Designs

E.5 Site Inspections During Construction

E.6 Post-Construction Inspections

E.7 Other Post-Construction Runoff Controls

F. Pollution Prevention/Good Housekeeping

Approximate date first implemented: _____ Frequency of each BMP program: _____

Qualifying Local Programs

Kane County will continue to coordinate efforts of multiple departments to perform activities related to Pollution Prevention/ Good Housekeeping within County operations, including developing and implementing an Employee Training Program.

Measurable Goals (include shared responsibilities)

F.1 Employee Training Program

Brief Description of BMP

Kane County will provide stormwater management training opportunities to County staff as well as other MS4 communities by coordinating a regular "MS4 Corner" e-newsletter with information on a variety of training opportunities and other background resources, as well as by hosting training webcasts at the Kane County Government Center.

Measurable Goals, including frequencies

Maintain an email contact list for MS4 community representatives, and distribute the e-newsletter on a minimum of a quarterly basis. Host stormwater informational webcasts as relevant, tracking the number of trainings provided and the number of attendees at each training throughout the year.

Milestones

Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

F.2 Inspection and Maintenance Program

Brief Description of BMP

Kane County will continue its established Operation and Maintenance Program - which includes the Division of Transportation clearing roadside swales of debris and garbage once a year, and inspecting and cleaning catch basins and storm inlets at Division of Transportation facilities quarterly. Kane County will also develop and adhere to an annual inspection and maintenance schedule for BMP's installed on County properties, and will utilize available tools to implement a BMP Inventory & Evaluation Program (see Attachment B).

Measurable Goals, including frequencies

Inspect and maintain roadside swales, catch basins and storm inlets, and BMPs on County properties according to schedule, documenting pollutant load reduction on an annual basis.

Milestones

Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

F.3 Municipal Operations Storm Water Control

F.4 Municipal Operations Waste Disposal

Brief Description of BMP

Kane County will follow established procedures to maintain buildings, fleet vehicles, and equipment. Procedures include the proper disposal of wastes from municipal operations, in compliance with all local, State, and Federal regulations. Kane County departments will continue to recycle all types of used oil (engine, transmission, gear and hydraulic), antifreeze, oil filters, tires, batteries, iron (scrap metal), and cardboard.

Measurable Goals, including frequencies

Perform fleet inspections and recycle hazardous materials on an ongoing basis, documenting compliance with the procedures annually.

Milestones

Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

F.5 Flood Management/Assess Guidelines

Brief Description of BMP

Kane County will continue to implement the Kane County Hazard Mitigation Program. In 2003, Kane County adopted the first multi-objective Natural Hazard Mitigation Plan in Illinois to fulfill the requirements of FEMA's Mitigation Grants program. The Natural Hazard Mitigation Plan assessed Kane County's risk from multiple natural hazards and set objectives for improving the County's hazard preparedness. Kane County coordinated the formation of the Kane County Hazard Mitigation Committee, comprised of municipal, township and nonprofit representatives, which has worked to implement the Hazard Mitigation Plan since 2003 and updated the plan in 2015.

Measurable Goals, including frequencies

Host two Hazard Mitigation Committee meetings per year to coordinate ongoing implementation of the plan.

Milestones

Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

F.6 Other Municipal Operations Controls

Brief Description of BMP

Kane County will implement Road Salt Application and Storage procedures to minimize salt washoff into the County's MS4. Procedures include storing salt indoors throughout the year, calibrating Division of Transportation trucks to the proper salt dispensing rate, equipping each salt truck with a reference table the driver can use to determine the optimal rate of pounds of salt dispensed per lane mile, and conducting regular deicer training and snow plow training on salt dispensing procedures.

Measurable Goals, including frequencies

Train staff on deicing and salt management procedures on an annual basis. Track the number of training events and participants each year.

Milestones

Year 1: Kane County began implementation of this BMP in 2003 and will continue to implement it on an annual basis.

Year 2: Continue to implement on an annual basis.

Year 3: Continue to implement on an annual basis.

Year 4: Continue to implement on an annual basis.

Year 5: Continue to implement on an annual basis.

Additional Info

BMP Number: _____

BMP Number	Location
12-0001	Kane Co Govt Center PICP Parking Lot, 719 Batavia Ave, Geneva, IL 60134;
12-0002	KC Govt Center Rain Garden, 719 Batavia Ave, Geneva, IL 60134;
09-0003	KC Circuit Court Parking Lot Bioret (2), 540 S. Randall Rd, St Charles IL 60175;
08-0004	KDOT Building Addition Detention, 41W011 Burlington Rd, Campton Hills, IL 60175
08-0005	KDOT Storage Yard Det Basin, 41W011 Burlington Rd, Campton Hills, IL 60175
09-0006	KC Judicial Center Pond, 37W777 IL-38, St. Charles, IL 60175

BMPs Currently Implemented and Proposed

BMP Number	Location
06-0007	KDOT Det Basin at NE corner of Big Timber & Todd Farm Rd, (no address) PIN 06-04-400-083
09-0008	KC Multi-Use Facility Det Basin, 37W777 IL-38, St. Charles, IL 60175
09-0009	Stearns Rd @ IL Rt 25 SE corner (ROW)
09-0010	Stearns Rd @ IL Rt 25 NE corner (ROW)
09-0011	Stearns Rd; SW corner of Stearns Rd and CC&P Railroad Crossing (ROW)
09-0012	Stearns Rd; Just East of Fox River; south side of road (ROW)
09-0013	Stearns Rd; Just east of Fox River, north side of road (ROW)
09-0014	Stearns Rd; Just west of Fox River, south side of road (ROW)

Approximate Pollutant Reduction Resulting from each BMP

BMP Number	Pollutant	Reduction
12-0001	Phosphorus	0.6 lb/yr
12-0002	Phosphorus	0.2 lb/yr
09-0003	Phosphorus	0.8 lb/yr
08-0004	Phosphorus	0.2 lb/yr
08-0005	Phosphorus	0.8 lb/yr
09-0006	Phosphorus	64.9 lb/yr
06-0007	Phosphorus	6.3 lb/yr
09-0008	Phosphorus	3.2 lb/yr
09-0009	Phosphorus	2.6 lb/yr
09-0010	Phosphorus	6.4 lb/yr
09-0011	Phosphorus	0.8 lb/yr
09-012	Phosphorus	2.0 lb/yr
09-013	Phosphorus	4.1 lb/yr
09-014	Phosphorus	8.1 lb/yr

Instream Monitoring Program

Is there an instream monitoring program currently in place? Yes No

Is an instream monitoring program currently being proposed? Yes No

Sediment Monitoring

Is sediment monitoring currently taking place? Yes No

Sample Monitoring of Outfalls

Is sample monitoring of outfalls currently taking place? Yes No

Other Monitoring

Describe other types of monitoring implemented or proposed to evaluate the BMP effectiveness or water quality impact of stormwater.

Kane County is a key member of the Fox River Study Group. Since April 2002, the FRSG has collected monthly water quality samples at 7 sites on the main stem of the Fox River and at the downstream end of 7 tributaries to the Fox River. Data collected includes field measurements of Temperature, pH, Conductivity and Dissolved oxygen. Samples are also analyzed in a laboratory for Fecal coliform, Phosphorus, Nitrogen, Chlorophyll a, Turbidity, and Suspended solids. Water quality data is stored in the Fox River Database, which is maintained by the IL State Water Survey and accessible to the public at: <https://ilrdss.isws.illinois.edu/fox/>

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)).

Robert E. Linke, P.E.

Authorized Representative Name

Sr Water Resources Engineer

Title



Authorized Representative Signature

5/28/2021

Date

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

Information required by this form must be provided to comply with 415 ILCS 5/39 (2000). Failure to do so may prevent this form from being processed and could result in your application being denied.

Attachment A
SUMMARY OF RECEIVING WATERS WITHIN THE COUNTY OF KANE MS4 AREA
(Per ILR40 Part II, Section B, Subsection 3.)

HUC	Watershed	Subwatershed	Stream Name	IEPA Segment	303(d) List*	Designated Use*	Cause*
712000701	Fox River		7th Avenue Creek	N/A	NO		
712000701	Fox River	Blackberry	Aurora Chain of Lakes	N/A	NO		
712000701	Fox River		Big Rock Creek		NO		
712000701	Fox River		Blackberry Creek	IL_DTD-02	YES	Primary Contact Recreation	Fecal Coliform
712000701	Fox River		Bowes Creek	N/A	NO		
712000701	Fox River		Brewster Creek	IL_DTZO-01	YES	Primary Contact Recreation	Fecal Coliform
709000601	Kishwaukee		Burlington Creek		NO		
712000701	Fox River		Campton Woods Run	N/A	NO		
712000701	Fox River		Carpenter Creek	N/A	NO		
709000601	Kishwaukee		Coon Creek	IL_PQF-07	YES	Primary Contact Recreation	Fecal Coliform
712000701	Fox River		Country Club Road Run	N/A	NO		
712000701	Fox River	Blackberry	Duffin Drain	N/A	NO		
709000601	Kishwaukee		Eakin Creek		NO		
712000701	Fox River	Blackberry	East Run	N/A	NO		
712000701	Fox River	Blackberry	Elburn Run	N/A	NO		
712000701	Fox River	Ferson-Otter	Ferson Creek	IL_DTF-02	YES	Primary Contact Recreation	Fecal Coliform
712000701	Fox River	Ferson-Otter	Fitchie Creek		NO		
712000701	Fox River		Four Winds Way Creek	N/A	NO		
712000706	Fox River		Fox River	IL_DT-11	YES	Aquatic Life	Aldrin
712000701	Fox River		Fox River	IL_DT-09	YES	Aquatic Life	Hexachlorobenzene
712000701	Fox River		Fox River	IL_DT-09	YES	Aquatic Life	Methoxychor
712000701	Fox River		Fox River	IL_DT-09	YES	Aquatic Life	Phosphorus (Total)
712000701	Fox River		Fox River	IL_DT-09	YES	Aesthetic Quality	Phosphorus (Total)
712000701	Fox River		Fox River	IL_DT-09	YES	Fish Consumption	Polychlorinated biphenyls
712000701	Fox River		Fox River	IL_DT-09	YES	Primary Contact Recreation	Fecal Coliform
712000612	Fox River		Fox River	IL_DT-18	YES	Aquatic Life	Hexachlorobenzene
712000612	Fox River		Fox River	IL_DT-18	YES	Primary Contact Recreation	Fecal Coliform
712000612	Fox River		Fox River	IL_DT-18	YES	Fish Consumption	Mercury
712000612	Fox River		Fox River	IL_DT-18	YES	Aquatic Life	Oxygen, Dissolved
712000612	Fox River		Fox River	IL_DT-18	YES	Fish Consumption	Polychlorinated biphenyls
712000612	Fox River		Fox River	IL_DT-18	YES	Aquatic Life	Sedimentation/Siltation
712000612	Fox River		Fox River	IL_DT-18	YES	Aquatic Life	Total Suspended Solids
712000612	Fox River		Fox River	IL_DT-20	YES	Aquatic Life	Oxygen, Dissolved
712000612	Fox River		Fox River	IL_DT-20	YES	Fish Consumption	Polychlorinated biphenyls
712000701	Fox River		Fox River	IL_DT-38	YES	Primary Contact Recreation	Fecal Coliform
712000701	Fox River		Fox River	IL_DT-38	YES	Fish Consumption	Mercury
712000701	Fox River		Fox River	IL_DT-38	YES	Aquatic Life	pH
712000701	Fox River		Fox River	IL_DT-38	YES	Aesthetic Quality	Phosphorus (Total)
712000701	Fox River		Fox River	IL_DT-38	YES	Aquatic Life	Phosphorus (Total)
712000701	Fox River		Fox River	IL_DT-38	YES	Fish Consumption	Polychlorinated biphenyls
712000701	Fox River		Fox River	IL_DT-38	YES	Aquatic Life	Total Suspended Solids
712000701	Fox River		Fox River	IL_DT-58	YES	Primary Contact Recreation	Fecal Coliform
712000701	Fox River		Fox River	IL_DT-58	YES	Fish Consumption	Mercury
712000701	Fox River		Fox River	IL_DT-58	YES	Aquatic Life	Oxygen, Dissolved
712000701	Fox River		Fox River	IL_DT-58	YES	Fish Consumption	Polychlorinated biphenyls
712000701	Fox River		Fox River	IL_DT-69	YES	Primary Contact Recreation	Fecal Coliform
712000701	Fox River		Fox River	IL_DT-69	YES	Fish Consumption	Mercury
712000701	Fox River		Fox River	IL_DT-69	YES	Aquatic Life	Methoxychor
712000701	Fox River		Fox River	IL_DT-69	YES	Aquatic Life	pH
712000701	Fox River		Fox River	IL_DT-69	YES	Aquatic Life	Phosphorus (Total)
712000701	Fox River		Fox River	IL_DT-69	YES	Fish Consumption	Polychlorinated biphenyls
712000701	Fox River		Fox River	IL_DT-69	YES	Aquatic Life	Sedimentation/Siltation
712000701	Fox River		Geneva Creek		NO		
712000701	Fox River		Great Western Run				
709000601	Kishwaukee		Hampshire Creek	IL_PQFD-H-C1	YES	Aquatic Life	Arsenic
709000601	Kishwaukee		Hampshire Creek	IL_PQFD-H-C1	YES	Aquatic Life	Barium
709000601	Kishwaukee		Hampshire Creek	IL_PQFD-H-C1	YES	Aquatic Life	Fluoride
709000601	Kishwaukee		Hampshire Creek	IL_PQFD-H-C1	YES	Aquatic Life	Phosphorus (Total)
709000601	Kishwaukee		Harmony Creek				
712000701	Fox River		Indian Creek	IL_DTZK	YES	Aquatic Life	Chloride
712000701	Fox River		Indian Creek	IL_DTZK	YES	Aquatic Life	Fecal Coliform
712000701	Fox River		Jelkes Creek				
712000701	Fox River		Jericho Lake Diversion				
712000701	Fox River	Blackberry	Johnson's Mound Run				
712000701	Fox River		Kendall Run				
712000701	Fox River	Blackberry	Lake Run				
712000701	Fox River	Ferson-Otter	Lily Lake Run				
712000701	Fox River	Big Rock	Little Rock Creek				
712000701	Fox River	Poplar	Lords Park Tributary				
712000701	Fox River		Mahoney Creek				
712000701	Fox River	Mill	McKee Road Tributary				
712000701	Fox River	Mill	Mill Creek	IL_DTZL-01	YES	Primary Contact Recreation	Fecal Coliform

SUMMARY OF RECEIVING WATERS WITHIN THE COUNTY OF KANE MS4 AREA
(Per ILR40 Part II, Section B, Subsection 3.)

HUC	Watershed	Subwatershed	Stream Name	IEPA Segment	303(d) List*	Designated Use*	Cause*
712000701	Fox River		No Name Creek				
712000701	Fox River	Norton	Norton Creek				
712000701	Fox River	Ferson-Otter	Otter Creek				
712000701	Fox River	Tyler	Pingree Creek				
712000701	Fox River	Poplar	Poplar Creek	IL-DTG-02	YES	Aquatic Life	Chloride
712000701	Fox River	Poplar	Poplar Creek	IL-DTG-02	YES	Primary Contact Recreation	Fecal Coliform
712000701	Fox River	Poplar	Poplar Creek	IL-DTG-02	YES	Aquatic Life	Total Suspended Solids
712000701	Fox River	Blackberry	Pouley Run				
712000701	Fox River	Blackberry	Prestbury Branch				
712000701	Fox River	Tyler	Sandy Creek				
712000701	Fox River	Blackberry	Seavy Road Run				
712000701	Fox River		Selmartin Creek				
712000701	Fox River		Silver Glen Run				
712000701	Fox River		Sleepy Creek				
709000601	Kishwaukee		South Branch Kishwaukee River				
712000701	Fox River		State Street Creek				
712000701	Fox River		Stoney Creek				
712000701	Fox River		Sugar Grove Branch				
712000701	Fox River		Swan Drain				
712000701	Fox River		Tollway Tributary				
712000701	Fox River	Ferson-Otter	Tucker Run				
712000701	Fox River	Tyler	Tyler Creek				
709000601	Kishwaukee	Union-Virgil	Union Ditch				
709000601	Kishwaukee	Union-Virgil	Virgil Ditch				
712000701	Fox River	Waubonsee	Waubonsee Creek				
712000701	Fox River	Big Rock	Welch Creek				
712000701	Fox River		Youngs Creek				

* Data taken from Draft Illinois Integrated Water Quality Report and Section 303(d) List - Volume 1: Surface Water - 2016 & Appendix A-2.303(d) List

ATTACHEMENT B

COUNTY OF KANE MS4 PROGRAM TO ADDRESS ILR40 PART V. MONITORING, RECORD KEEPING, AND REPORTING

In order to address Part V of the General NPDES Permit No. ILR40, Kane County will implement the following programs:

Section A. Monitoring

Beginning in June 2016, Kane County Division of Environmental & Water Resources will implement a BMP Inventory & Evaluation Program to satisfy the requirements of Part V Section A Subsection #1. Under this program, Kane County will inventory all BMPs constructed/implemented on Kane County properties. The inventory will be prepared in a GIS format. The BMP evaluation will consist of a calculation of pollutant load reduction effectiveness using the Fox River Non-Point Source Control Measure Tracking Tool. This tool is a spreadsheet-based calculator created by the Fox River Study Group that will allow a MS4 community in the Fox River Watershed to catalog and estimate the level of phosphorus load reduction expected to occur with each BMP implemented. The phosphorus loading for the calculator is based on the long-term average pollutant loading output from the HSPF model prepared by the Fox River Study Group as part of that organization's analysis of nutrient loading into the Fox River from the watershed area downstream of the Fox Chain O' Lakes. Load reductions are calculated using average removal efficiencies for each BMP type based on published values as well as data from IEPA-funded projects (Section 319) in Illinois.

In 2016, previously constructed structural BMPs on Kane County properties will be inventoried and evaluated using the FRSG NPS Control Measure Tracking Tool. This summary table will be included with the annual report to be submitted in May 2017. Kane County staff will document new BMPs as they are constructed/implemented in each thereafter and provide a summary report as an attachment to the Annual Report submitted to the IEPA.

Section B. Recordkeeping

The Kane County Division of Environmental & Water Resources will maintain all records and documentation associated with its MS4 program for a period of 5 years after the effective period has expired. The Notice of Intent, Annual Reports, and Stormwater Management Program Plan will be posted to the County's website for public access.

Section C. Reporting

The Kane County Division of Environmental & Water Resources will submit an Annual Report to the IEPA by June 1st of each year that the permit is in effect. Annual Reports will be posted to the County's website for public access within 30 days of submittal to the IEPA.