

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
NOTICE OF INTENT  
FOR GENERAL PERMIT FOR DISCHARGES FROM  
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS  
(MS4s)**

Input forms in Word format are available  
by via email.  
[marilyn.davenport@epa.state.il.us](mailto:marilyn.davenport@epa.state.il.us)  
or by calling the Permit Section at  
217/782-0610  
See address for mailing on page 4

For Office Use Only – Permit No. ILR40\_\_\_\_\_

**Part I. General Information**

1. **MS4 Operator Name:** Kane County

2. **MS4 Operator Mailing Address:**

Street- 719 Batavia Avenue City- Geneva  
State- Illinois Zip Code- 60134

3. **Operator Type:** County

4. **Operator Status:** County

5. **Name(s) of Governmental Entity(ies) in which MS4 is located:** Kane County

6. **Area of land that drains to your MS4 (in square miles):** 3600 (ten 36 sq. mi. townships).

5. **Latitude/Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:**

**Latitude:**    41            53            00    **Longitude:**    88            19            00  
                         DEG.            MIN.            SEC.                           DEG.            MIN            SEC.

8. **Name(s) of known receiving waters:** *Attach additional sheets (Attachment 1) as necessary:*

- |  |  |
|--|--|
| <p>1. <u>Fox River</u></p> <p>3. <u>Mill Creek</u></p> <p>5. <u>Otter Creek</u></p> <p>7. <u>Brewster Creek</u></p> <p>9. <u>Tyler Creek</u></p> | <p>2. <u>Indian Creek</u></p> <p>4. <u>Ferson Creek</u></p> <p>6. <u>Norton Creek</u></p> <p>8. <u>Poplar Creek</u></p> <p>10. <u>Jelkes Creek</u></p> |
|--|--|

1. **Persons Responsible for Implementation/Coordination of Storm Water Management Program:**

<u>Name</u>	<u>Title</u>	<u>Telephone No.</u>	<u>Area of Responsibility</u>
Tim Harbaugh	Director	208-5118	County Stormwater Ordinance & NPDES Phase II

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.

## Part II. Best Management Practices (include shared responsibilities) Proposed to be Implemented in the MS4 Area

*(Details of BMP implementation for each checked BMP number, e.g., A.1, E.2, is required in Part IV of this NOI.)*

### A. Public Education and Outreach

- A.1 Distributed Paper Material
- A.2 Speaking Engagement
- A.3 Public Service Announcement
- A.4 Community Event
- A.5 Classroom Education Material
- A.6 Other Public Education

### B. Public Participation/Involvement

- B.1 Public Panel
- B.2 Educational Volunteer
- B.3 Stakeholder Meeting
- B.4 Public Hearing
- B.5 Volunteer Monitoring
- B.6 Program Coordination
- B.7 Other Public Involvement

### C. Illicit Discharge Detection and Elimination

- C.1 Storm Sewer Map Preparation
- C.2 Regulatory Control Program
- C.3 Detection/Elimination Prioritization Plan
- C.4 Illicit Discharge Tracing Procedures
- C.5 Illicit Source Removal Procedures
- C.6 Program Evaluation and Assessment
- C.7 Visual Dry Weather Screening
- C.8 Pollutant Field Testing
- C.9 Public Notification
- C.10 Other Illicit Discharge Controls

### D. Construction Site Runoff Control

- D.1 Regulatory Control Program
- 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

- E.1 Community Control Strategy
- E.2 Regulatory Control Program
- E.3 Long Term O&M Procedures
- E.4 Pre-Const Review of BMP Designs
- E.5 Site Inspections During Construction
- E.6 Post-Construction Inspections
- E.7 Other Post-Const Runoff Controls

### F. Pollution Prevention/Good Housekeeping

- F.1 Employee Training Program
- F.2 Inspection and Maintenance Program
- F.3 Muni Operations Storm Water Control
- F.4 Municipal Operations Waste Disposal
- F.5 Flood Management/Assess Guidelines
- F.6 Other Municipal Operations Controls

## Part III. Qualifying Local Programs

*Attach additional sheets (Attachment 2) as necessary:*

*(Describe any qualifying local programs that you will implement in lieu of new permitting requirements.)*

### 1. Public Education and Outreach:

Kane County Department of Environmental Management will oversee and offer the following education and outreach programs to units of local government within the County. Likewise, Kane County will offer those BMPs described in Part IV to those local agencies requesting assistance from the County. KCDEM recognizes that many smaller units of local government within the County do not have the resources to provide comprehensive programs to meet CM I and that most effective approach is a coordinated effort at the County level. Therefore, other units of local government in the County are encouraged to reference the County's program in their NOI application.

#### **Newsletter: Kane County Stormwater Management Committee Annual Report**

Provides citizens with updates information on the County Stormwater Program, including regulations and county projects to protect water quality throughout Kane County. This newsletter is distributed annually.

#### **Newspaper Insert: "Kane County Recycles"**

Informs residents about recycling programs in Kane County and publishes schedule of recycling events for collection of used motor oil, household hazardous wastes, used tires, and household batteries. Kane County publishes this newsletter annually and distributes 140,000 copies through local newspapers and county, municipal, and township offices.

#### **Educational Programs for K-12 Students**

The County supports the educational programs for school children as developed and presented by the Kane-DuPage Soil & Water Conservation District. These programs address watersheds, land use, water pollution, wetlands, soil, and groundwater. The program is currently implemented in District U46 in the Elgin area. The program will be expanded to cover all school districts in Kane County, with a goal of eight presentations per

### 2. Public Participation/Involvement:

Kane County Department of Environmental Management will oversee and offer the following public involvement and participation programs to units of local government within the County. Likewise, Kane County will offer those BMPs described in Part IV to those local agencies requesting assistance from the County. KCDEM recognizes that many smaller units of local government within the County do not have the resources to provide comprehensive programs to meet CM II and that most effective approach is a coordinated effort at the County level. Therefore, other units of local government in the County are encouraged to reference the County's program in their NOI application.

#### **Public Meetings – Kane County Stormwater Management Committee**

The Kane County Stormwater Committee meets bi-monthly at the County Government Center to discuss stormwater management issues, including water quality issues. Meetings are publicized in local newspapers and are open to the public for citizen input.

### **Used Motor Oil and Household Hazardous Waste Collection Program.**

Kane County conducts a comprehensive public collection program to divert used motor oil and household hazardous waste from the environment, including three annual used motor oil collection events, and regular drop-off and collection programs for household hazardous waste.

### **3. Illicit Discharge Detection and Elimination:**

*Program to Detect and Eliminate Illicit Discharges into the County's MS4:* Kane County currently has a staff of 14 Health Department inspectors whose job, in part, is to investigate possible illegal discharges to the County's stormwater system. Illegal discharge identification is done via one of two procedures: the Department receives a complaint from the public or by means visual observation by a Health Dept. inspector.

*Under State/local law, effectively prohibit, through regulatory mechanism, non-stormwater discharges into the County's MS4:* Kane County has regulatory authority to prohibit septic system discharges into the County-owned stormsewers or open channels (Kane County Septic Ordinance). 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 Health Department then turns the case over to the State Attorney, who then pursues 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 coordinating with their investigation.

*Illicit Discharge Education Component - Newsletter / Newspaper Insert: "Kane County Recycles".* Informs county & municipal residents on the recycling program in Kane County and publishes dates and times of various recycling events for collection of used motor oil, used tires, household hazardous wastes, household batteries. Kane County distributes this newsletter annually in local newspapers and is available at the County Government Center.

### **4. Construction Site Runoff Control:**

#### *Kane County Stormwater Management Ordinance*

Kane County has adopted and enforces a Stormwater Management Ordinance 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 who do not have 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 Measure with the exception of management of construction waste and concrete truck washout.

### **5. Post-Construction Runoff Control:**

#### *Kane County Stormwater Management Ordinance*

Kane County has adopted and enforces a Stormwater Management Ordinance 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 who do not have the

in-house resources to administer and enforce the Ordinance. The Kane County Stormwater Management Ordinance addresses all requirements of the Post-Construction Runoff Control Measure.

## **6. Pollution Prevention/Good Housekeeping:**

### *Storm Drain System Cleaning*

Operation and Maintenance Program for County MS4: Road-side swales are cleared of debris and garbage once a year by Kane Co. Dept of Transportation staff. Catch basins and storm inlets in the County right-of-way are inspected and cleaned once per year. Catch basins and storm inlets at County Dept. of Transportation facility are inspected and cleaned quarterly.

### *Fleet & Building Maintenance*

The following items are recycled by the County:

- All types of used oil (engine, transmission, gear, and hydraulic)
- Antifreeze
- Oil filters
- Tires
- Batteries
- Iron (scrap metal)
- Cardboard.

County vehicles are inspected according to the following schedule:

- Heavy trucks (snow plows, etc.) = every 2000 miles or 90 days
- Light trucks & cars = every 3000 miles or 90 days
- Heavy off-road equipment = every 100 hours or 90 days
- Light off-road equipment = every 50 hours or 90 days

### *Road Salt Application and Storage*

Salt is stored indoors throughout the year to minimize concentrated salt washoff into the MS4.

Each year, the Kane County Dept. of Transportation (KDOT) calibrates the salt dispensing rate of each snow plow truck. Each truck is equipped with a reference table that the driver can use to determine the optimal rate of pounds of salt dispensed per lane mile. Additionally, each snow plow driver attends an annual snow plowing seminar in which salt rates and dispensing procedures are discussed. Kane County currently dispenses salt at a rate varying between 300 and 500 pounds per lane mile.

## **Part IV. Measurable Goals (include shared responsibilities) Proposed to be Implemented by the MS4**

*Attach additional sheets (Attachment 3) as necessary*

*(BMP No. should match that checked in Part II of this NOI. The applicant may repeat the same BMP No. where more than one BMP of similar type is to be implemented. Where necessary, attach additional sheets to provide more detail on each specific BMP.)*

### **BMP No. A1**

#### **Brief Description of BMP:**

##### **Brochure Development and Distribution**

Kane County will coordinate the revision, printing, and distribution of two existing brochures: "Welcome To Your Watershed" and "Riverfront Property Owners Guide". The County will work with organizations such as the Friends of the Fox River, the Fox River Ecosystem Partnership, and the Kane-DuPage Soil & Water Conservation District to tailor these brochures to residents living in Kane County and add additional information where needed.

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

##### **Milestones:**

- Year 1:** Revise content of both brochures to make them specific to Kane County.
  - Year 2:** Print both brochures. Mail "Riverfront Property Owners Guide" to property owners in the County living along the Fox River. Distribute 1,000 copies of "Welcome To Your Watershed" to residents in the County.
  - Year 3:** Distribute 1,000 copies of "Welcome To Your Watershed" to residents in the County.
  - Year 4:** Distribute "Riverfront Property Owners Guide" to all residents in the County who own land along tributary streams within the designated Urbanized Area.
  - Year 5:** Distribute 1,000 copies of "Welcome To Your Watershed" to county residents.
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### **BMP No. A2**

#### **Brief Description of BMP:**

##### **Speaker's Bureau**

Presentations by County staff on topics including watersheds, land use, water pollution, and wetlands will be offered to civic and other community organizations.

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

##### **Milestones:**

- Year 1:** Conduct research and develop presentations.
  - Year 2:** Mail notice of availability to program chairs of local groups. Conduct two presentations.
  - Year 3:** Conduct two presentations.
  - Year 4:** Mail notice of availability to program chairs of local groups. Conduct two presentations.
  - Year 5:** Conduct two presentations.
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## **BMP No. A3**

### **Brief Description of BMP:**

#### **Newspaper and Newsletter Articles**

Informational materials prepared and distributed existing media networks. Topics will include watersheds, land use, water pollution, and wetlands. Information will be incorporated into a column format and placed in local newspapers; Articles on these topics will also be developed for municipal and Chamber of Commerce newsletters.

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

#### **Milestones:**

- Year 1:** Conduct research and collect information to be included in articles.
- Year 2:** Place three columns in local newspapers; distribute three articles to municipalities and chambers of commerce.
- Year 3:** Place three columns in local newspapers; distribute three articles to municipalities and chambers of commerce.
- Year 4:** Place three columns in local newspapers; distribute three articles to municipalities and chambers of commerce.
- Year 5:** Place three columns in local newspapers; distribute three articles to municipalities and chambers of commerce.

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## **BMP No. A6**

### **Brief Description of BMP:**

#### **Tributary Signage**

Kane County has already installed tributary signage at approximately 25 stream crossings. The County will develop standard tributary identification signs and make them available to municipalities and townships for installation by their staff at arterial roadway crossings of tributary streams throughout the County. The County will also install signage at crossing in unincorporated areas as necessary to meet the installation goals listed below.

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

#### **Milestones:**

- Year 1:** Develop formal sign standards and a prioritization plan to identify which crossings will be included and a schedule for installation.
- Year 2:** Coordinate installation of tributary signage at ten stream crossings.
- Year 3:** Coordinate installation of tributary signage at ten stream crossings.
- Year 4:** Coordinate installation of tributary signage at ten stream crossings.
- Year 5:** Coordinate installation of tributary signage at ten stream crossings.

## Part V. 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 gather and evaluate 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 fine and imprisonment.

Authorized Representative Name and Title

Signature

Date

**Timothy A. Harbaugh, Director  
Kane County Dept. of Environmental  
Management**

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Mail completed form to:

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
ATTN: PERMIT SECTION  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276**

*Copy and complete this page if additional pages are necessary:*

**Attachment 1  
Receiving Streams (Continued)**

**11. Kishwaukee River**

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**12. Virgil Ditch**

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**13. Pingree Creek**

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**14. Stony Creek**

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**15. Bowes Creek**

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**16. Fitchie Creek**

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**Attachment 3**

**Part IV. (Continued) Measurable Goals (include shared responsibilities) Proposed to be Implemented by the MS4**

**BMP No. B5**

**Brief Description of BMP:**

**1. Stream Monitoring Program**

The Fox River Watershed Monitoring Network (FRWMN) is an existing stream monitoring program supported by the Friends of the Fox River in which volunteers are trained to collect physical, chemical and biological data for a selected stream segment. Kane County will work with the (FRWMN) to expand the existing network of 13 monitoring sites in Kane County by adding 20 additional monitoring sites within the County.

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

- Milestones:**
- Year 1:** Conduct stream monitoring at 10 new sites.
  - Year 2:** Continue stream monitoring at the previous 10 sites; Add 10 additional sites.
  - Year 3:** Continue stream monitoring at all 20 sites.
  - Year 4:** Continue stream monitoring at all 20 sites.
  - Year 5:** Continue stream monitoring at all 20 sites.
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**BMP No. B7**

**Brief Description of BMP:**

**Stream Clean-up Program.**

Kane County will encourage and support volunteer stream clean-up events on streams in the County. Any organization may submit a proposal for a clean-up event to the County's NPDES Program Coordinator and, if approved, the County will provide up to \$500 to the organization to organize and conduct the event.

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

**Milestones:**

- Year 1:** Announce availability of county funding. Provide financial support to 10 stream clean-up events.
  - Year 2:** Provide financial support to 10 stream clean-up events.
  - Year 3:** Provide financial support to 10 stream clean-up events.
  - Year 4:** Provide financial support to 10 stream clean-up events.
  - Year 5:** Provide financial support to 10 stream clean-up events.
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**BMP No. B7**

**Brief Description of BMP:**

**Storm Drain Stenciling Program.**

Kane County will work with the Kane-DuPage Soil & Water Conservation District to establish and provide partial funding for a county-wide storm drain stenciling program. The District and the County will advertise the program and prepare door hangers for crews to use in the stenciling neighborhood. The District will distribute stenciling kits and track participation.

**BMP No. B7 (Continued)****Measurable Goal(s), including frequencies:****Milestones:**

- Year 1:** Assemble stenciling kits. Produce program brochures and door hangers.
  - Year 2:** Coordinate six stenciling events.
  - Year 3:** Coordinate six stenciling events.
  - Year 4:** Coordinate six stenciling events.
  - Year 5:** Coordinate six stenciling events.
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**BMP No. C1****Brief Description of BMP:****Stormwater System Mapping**

Kane County DOT will prepare a GIS map to show location and size of all County-owned storm water outfalls to receiving streams in the Urbanized Area.

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

- Year 1:** Develop plan to incorporate stormwater outfalls into current County GIS mapping.
  - Year 2:** Conduct field reconnaissance to identify all stormwater outfalls to receiving streams in the Urbanized Area.
  - Year 3:** Complete inventory of stormwater outfalls to receiving streams.
  - Year 4:** Complete map of stormwater outfalls to receiving streams in the County.
  - Year 5:** Update stormwater outfall map as new outfalls are added or identified.
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**BMP No. C10****Brief Description of BMP:****Kane County Employee Training Program to Identify Illicit Discharges**

This new program will better prepare all of the County's Health Inspectors and other County employees to identify suspected illicit discharges and educate them on the procedures to be followed to eliminate the discharge.

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

- Year 1:** Programs to train Health Dept. inspectors and County employees developed.
- Year 2:** All Health Department inspectors trained.
- Year 3:** Illicit discharge education materials distributed to County employees
- Year 4:** County employees trained to eliminate illicit discharges in the workplace.
- Year 5:** Conduct Illicit Discharge "Refresher Course" for select County employees with most potential to eliminate illicit discharges (mechanics, equipment operators, field personel, etc.)

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**BMP No. D3****Brief Description of BMP:****Kane County Ordinance**

Kane County will pursue regulations in unincorporated areas to require that construction site operators actively manage construction site waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction area in order to minimize adverse impacts to water quality.

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

- Year 1:** Administer current ordinances
- Year 2:** Through proposed revisions to the County Ordinance, pursue regulating the construction site pollution referenced above.
- Year 3:** County Board enacts regulations to meet the requirements above.
- Year 4:** County enforces new regulations in unincorporated areas.
- Year 5:** County enforces new regulations in unincorporated areas.

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**BMP No. F1****Brief Description of BMP:****Employee Training Program / Employee Pollution Prevention Reference Manual:**

This program will be used to train employees and/or distribute information to them on revised policies and procedures which will protect water quality through 1.) proper hazardous waste disposal, 2.) materials storage, 3.) storm inlet/catch basin cleaning, 4.) roadside ditch maintenance, 5.) vehicle washing. The County will provide employees with an Employee Pollution Prevention Reference Manual which outlines practices and procedures they should undertake during the workday to prevent the release of pollutants to the County's MS4.

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

- Year 1:** Prepare employee pollution prevention reference manual and begin distribution to Kane Dept. of Transportation (KDOT) employees. Develop a short training seminar to educate County employees on pollution prevention in the workplace.
- Year 2:** Distribute employee pollution prevention reference manual to all KDOT employees.
- Year 3:** Conduct a short training session for KDOT maintenance personnel.
- Year 4:** Hold an employee training seminar for KDOT maintenance personnel.
- Year 5:** All KDOT maintenance department staff trained. Hold training for other applicable County Departments. All County employees have received training or a copy of the pollution prevention reference manual.

**BMP No. F2**

**Brief Description of BMP:**

**Storm Drain System Cleaning**

Apart from the KDOT facilities, the storm inlets and catch basins on other County properties are only cleaned when a problem is observed, such as clogging, reduced capacity, etc. **If funding is available in the County budget**, the County will expand the storm drain cleanings by developing a formal cleaning plan which will require regular inlet/catch basin cleanings for other County facilities such as to include other County properties the Corrections facility, Government Center, Old Court House, Judicial Center, Events Center, etc.

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

**Milestones:**

- Year 1:** Review current storm drain cleaning program and develop a new plan to include additional County properties such as the Corrections facility, Government Center, Old Court House, Judicial Center, Events Center, etc.
- Year 2:** Government Center included in revised storm drain cleaning program.
- Year 3:** Corrections Facility included in revised storm drain cleaning program.
- Year 4:** Old Court House included in revised storm drain cleaning program.
- Year 5:** All County properties with County-owned storm drains receive regular cleanings.

**BMP No. F2**

**Brief Description of BMP:**

**Parking Lot and Street Cleaning**

In order to minimize pollutant export from parking lots and streets, the County performs limited street and parking lot sweeping operations on County properties during the year. **If funding is available in the County budget**, this program will be expanded to increase the number of County properties that will receive street and parking lot sweeping.

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

**Milestones:**

- Year 1:** Review current street and parking lot sweeping program and develop a new plan to include additional County properties such as the Corrections facility, Government Center, Old Court House, Judicial Center, Events Center, etc.
- Year 2:** Government Center included in revised street/parking lot cleaning program.
- Year 3:** Corrections Facility included in revised street/parking lot cleaning program.
- Year 4:** Old Court House included in revised street/parking lot cleaning program.
- Year 5:** All County properties with County-owned streets/parking lots within the Urbanized Area receive cleanings/sweepings annually.