



Illinois Environmental Protection Agency

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

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

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

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

Report Period: From March, 2021 To March, 2022

Permit No. ILR40 0498

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

Name: Village of Huntley Mailing Address 1: 11000 Bakley Street
Mailing Address 2: County: Kane
City: Huntley State: IL Zip: 60142 Telephone: 847-515-5222
Contact Person: Timothy Farrell Email Address: tfarrell@huntley.il.us
(Person responsible for Annual Report)

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

Hampshire and Rutland Townships Kane County
Grafton Township McHenry County

THE FOLLOWING ITEMS MUST BE ADDRESSED.

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

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

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

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

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

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

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

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



Owner Signature:

Timothy Farrell

Printed Name:

5/31/2022

Date:

Director, Public Works & Engineering

Title:

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

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

MS4 Annual Facility Inspection Report

**Illinois Environmental Protection Agency
National Pollutant Discharge Elimination System Phase II**

Permit Year 19: March 2021 to March 2022

Village of Huntley

Contents

Part A. Changes to Best Management Practices A-1

Part B. Status of Compliance with Permit ConditionsB-1

Part C. Information and Data Collection Results C-1

Part D. Summary of Year 20 Stormwater ActivitiesD-1

Part E. Notice of Qualifying Local ProgramE-1
Kane and McHenry County Annual Facility Inspection Reports..... E-2

Part F. Construction Projects Conducted During Year 19 F-1

Part A. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit
✓ indicates changes to BMPs proposed in your NPDES permit

Year 17	Year 18	Year 19	Year 20	Year 21	
MS4					
A. Public Education and Outreach					
X	X	X	X	X	A.1 Distributed Paper Material
					A.2 Speaking Engagement
					A.3 Public Service Announcement
X	X	X	X	X	A.4 Community Event
					A.5 Classroom Education Material
X	X	X	X	X	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
X	X	X	X	X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination					
X	X	X	X	X	C.1 Storm Sewer Map Preparation
X	X	X	X	X	C.2 Regulatory Control Program
					C.3 Detection/Elimination Prioritization Plan
X	X	X	X	X	C.4 Illicit Discharge Tracing Procedures
X	X	X	X	X	C.5 Illicit Source Removal Procedures
X	X	X	X	X	C.6 Program Evaluation and Assessment
X	X	X	X	X	C.7 Visual Dry Weather Screening
					C.8 Pollutant Field Testing
					C.9 Public Notification
X	X	X	X	X	C.10 Other Illicit Discharge Controls

Year 17	Year 18	Year 19	Year 20	Year 21	
MS4					
D. Construction Site Runoff Control					
X	X	X	X	X	D.1 Regulatory Control Program
X	X	X	X	X	D.2 Erosion and Sediment Control BMPs
X	X	X	X	X	D.3 Other Waste Control Program
X	X	X	X	X	D.4 Site Plan Review Procedures
					D.5 Public Information Handling Procedures
X	X	X	X	X	D.6 Site Inspection/Enforcement Procedures
					D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control					
					E.1 Community Control Strategy
X	X	X	X	X	E.2 Regulatory Control Program
X	X	X	X	X	E.3 Long Term O&M Procedures
X	X	X	X	X	E.4 Pre-Const Review of BMP Designs
X	X	X	X	X	E.5 Site Inspections During Construction
X	X	X	X	X	E.6 Post-Construction Inspections
					E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping					
X	X	X	X	X	F.1 Employee Training Program
X	X	X	X	X	F.2 Inspection and Maintenance Program
X	X	X	X	X	F.3 Municipal Operations Storm Water Control
					F.4 Municipal Operations Waste Disposal
					F.5 Flood Management/Assess Guidelines
					F.6 Other Municipal Operations Controls

There are no changes to the BMPs proposed in the most recent NOI submitted in 2021. The Village has and will continue to perform these activities throughout the permit period.

1. Public Education and Outreach

No changes to selected BMPs.

2. Public Participation/Involvement

No changes to selected BMPs.

3. Illicit Discharge Detection and Elimination

No changes to selected BMPs.

4. Construction Site Runoff Control

No changes to selected BMPs.

5. Post-Construction Runoff Control

No changes to selected BMPs.

6. Pollution Prevention/Good Housekeeping

No changes to selected BMPs.

Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in Year 19 is described below.

1. Public Education and Outreach

The Village is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The Village commits to implementation of BMPs related to A.1, A.3 and A.6 as described below.

A.1 Distributed Paper Material

The Village will publish stormwater pollution prevention articles in “The Village Journal”.

Measurable Goals: *The Village will annually publish stormwater pollution prevention articles in “The Village Journal.”*

The Village continues to publish stormwater pollution prevention articles.

A.3 Public Service Announcement

The Village will include a storm water and/or ambient water quality related article once a year in the Village’s newsletter.

Measurable Goals: *The Village will include a storm water and/or ambient water quality related article in the Village newsletter each year.*

The Village continues to distribute stormwater articles in the Village newsletter.

A.6 Other Public Education

The Village has created website links on the Public Works website to information on protecting water quality from urban runoff.

Measurable Goals: *The Village will continue to monitor website links and update as new information becomes available.*

The website links, “A Citizen’s Guide for Stormwater Runoff and Pollution Prevention” and Stormwater Pollution Prevention Tips” provide residents and businesses with information for preventing pollution and using water resources appropriately.

2. Public Participation/Involvement

The Village committed to performing activities and services related to the Public Participation/Involvement minimum control measure BMP under numbers B.2, B.3, B.4, B.6 and B.7. The status or progress for each of the measurable goals related to these BMPs is presented below.

B.2 Educational Volunteer, B.6 Program Coordination

The Village has coordinated with and directly supported volunteer activities throughout the Village. These activities have included stream monitoring, clean-up of ditches, trash pickup and supplying of material and services to groups such as the Huntley Jaycees, the Sierra Club, the Water Sentinels, etc. These activities directly reduce the amount of pollutants reaching receiving waters and provide valuable data for enhancement programs.

Measurable Goals: *The Village will coordinate with the groups on future enhancement projects and activities.*

The Village will continue with the clean up activities and work to increase participation.

B.3 Stakeholder Meeting

The Village participates and coordinates with watershed planning groups associated with the Eakin Creek and/or the South Branch of the Kishwaukee River watersheds.

Measurable Goals: *The goal of participation in a watershed group is to identify best management practices that are most appropriate and cost effective for the region to be used by municipalities and includes an element for chloride reduction.*

The Village will continue to participate in the stakeholder meetings.

B.4 Public Hearing

The Village holds public meetings to discuss topics including steps the public can take to reduce pollutants to stormwater runoff or the impacts of stormwater runoff on local water bodies.

Measurable Goals: *The goal is to increase public education and involvement regarding the Village's stormwater management and NDPES program and their knowledge on ways they can help.*

The Village will continue to hold a public meeting at least once a year.

B.6 Program Involvement

The Village coordinates with local groups to perform clean up activities. These activities directly reduce the amount of pollutants entering the Village's storm sewer system.

Measurable Goals: *This activity has the goal of encouraging active public participation in ambient water quality programs and increasing the visibility of water quality issues.*

The Village will continue with the clean up activities and work to increase participation.

B.7 Other Public Involvement

The Public Works Department provides contact information on the Village website to allow residents to report stormwater or water quality related issues. The Village also has advised Home Owner Associations (HOAs) and Community Association Management (CAM) regarding maintenance of streams after stream restoration projects are completed.

Measurable Goals: *The goal of this program is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage features. This program will also aid the Public Works Department in the detection of illicit discharges and inspection of drainage features.*

The Village will continue to provide the appropriate contact information to report illicit discharges or other stormwater issues and work with groups to reduce pollution.

3. Illicit Discharge Detection and Elimination

The Village committed to performing some activities related to the Illicit Discharge Detection and Elimination minimum control. BMPs will be implemented under BMP numbers C.1, C.2, C.3, C.4, C.5, C.6, C.7 and C.10 as described below.

C.1 Storm Sewer Map Preparation

The Village has a complete storm sewer map and regularly updated its map based on development or other changes as needed..

Measurable Goals: *The Village will complete a biennial review of the storm sewer map and update as needed.*

The Public Works Department will continue to update the map as needed.

C.2 Regulatory Control Program

The Village has adopted an Illicit Discharge Detection and Elimination Ordinance in accordance with the Kane County Countywide Stormwater Management Ordinance (KCSMO).

Measurable Goals: *The goal of this program is to eliminate any non-storm water discharges to the storm sewer system.*

The Village will continue to enforce the regulatory control measures to prohibit or eliminate non-stormwater discharges.

C.3 Detection/Elimination Plan

The Village has procedures for handling and prioritizing the report of a possible illicit discharge to storm sewer systems.

Measurable Goals: *The goal of this program is to develop a procedure for receiving, tracking, investigating and eliminating illicit discharges to the storm sewer system.*

The Village will continue the illicit discharge procedures.

C.4 Illicit Discharge Tracing Procedures and C.5 Illicit Source Removal Procedures

The Village has developed illicit discharge tracing and elimination procedures. The Village also currently documents activities related to illicit discharges with service request forms, activity logs, etc.

Measurable Goals: *The Village will annually trace and remove all illicit discharges detected by resident reporting, dry weather screening, or regular storm sewer maintenance. The Village will continue to utilize the documentation procedures in place and modify as needed to meet the NPDES compliance standards.*

The Village will continue the illicit discharge procedures.

C.6 Program Evaluation and Assessment

The Village has performed yearly program compliance monitoring and evaluation to determine the effectiveness of the overall program and the BMPs selected.

Measurable Goals: *The goal of this activity to assess the Village's NPDES program for compliance and effectiveness as well as ensure compliance with applicable TMDLs and Watershed Management Plans.*

The Village will continue to perform the annual evaluation and assessment.

C.7 Visual Dry Weather Screening

The Village will perform inspections of all MS4 outfalls during dry weather conditions or as determined by the inspection prioritization plan.

Measurable Goals: *The goal of this activity is to identify outfalls with potential illicit discharges.*

The Village will continue to perform annual inspections.

C.10 Other Illicit Discharge Controls

The Village performs annual monitoring of the receiving waters upstream and downstream of all MS4 discharge points. The Village monitors the progress of watershed work groups and the establishment of any applicable TMDLs or other Watershed Management Plans. The Village current monitoring program plan is to evaluate the effectiveness of the program's BMPs for the removal of pollutants.

Measurable Goals: *The goal of this activity is to monitor receiving streams for potential changes due to the discharge of stormwater and ensure compliance with applicable TMDLs and Watershed Management Plans to reduce waste loads.*

The Village will formally develop the monitoring program including BMP evaluation methodology to determine the effectiveness of the removal of pollutants.

4. Construction Site Runoff Control

Kane County has adopted a Countywide Stormwater Management Ordinance (KCSMO) that establishes the minimum stormwater management requirements for developments in Kane County. The Ordinance establishes standards for construction site runoff control. As a certified community, the Village will continue to enforce the Kane County Ordinance throughout the Village.

D.1 Regulatory Control Program

The Village will enforce the Kane County Stormwater Management Ordinance.

Measurable Goals: *The Village will continue to enforce the Ordinance.*

D.2 Erosion and Sediment Control BMPs

The Village requires erosion and sediment control BMPs.

Measurable Goals: *The Village will continue to require sediment and erosion control BMPs.*

D.4 Site Plan Review Procedures

The Village reviews site plans for conformance with the Kane County Ordinance.

Measurable Goals: *The Village will continue to review site plans for conformance to the Ordinance.*

D.5 Other Waste Control Program

The Village has procedures in place for addressing reports from residents related to construction site runoff.

Measurable Goals: *The Village will continue to address the reporting of problems related to construction site runoff.*

D.6 Site Inspection/Enforcement Procedures

The Village has inspected construction sites and enforced the Kane County Ordinance.

Measurable Goals: *The Village will continue to inspect construction sites and enforce the Kane County Ordinance.*

5. Post-Construction Runoff Control

As described above, the Kane County Countywide Stormwater Management Ordinance (KCSMO) establishes the minimum stormwater management requirements for developments in Kane County. The KCSMO establishes standards for post-construction site runoff control. The Village will continue to enforce the KCSMO.

E.2 Regulatory Control Program

The Village will enforce the KCSMO.

Measurable Goals: The Village will continue to enforce the KCSMO.

E.3 Long Term O&M Procedures

The Village has enforced the KCSMO which requires long term O&M procedures.

Measurable Goals: The Village will continue to enforce the KCSMO.

E.4 Pre-Construction Review of BMP Designs

The Village reviews BMP designs prior to construction.

Measurable Goals: The Village will review BMP designs prior to construction.

E.5 Site Inspections During Construction

The Village has inspected sites during construction.

Measurable Goals: The Village will continue to inspect sites during construction.

E.6 Post-Construction Inspections

The Village has inspected sites after construction.

Measurable Goals: The Village will continue to inspect sites after construction.

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. The Village will perform BMPs under BMP numbers F.1, F.2 and F.3 as described below.

F.1 Employee Training Program

The Village will continue provide the training and other presentations that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from Village owned facilities and activities to the storm sewer system.

Measurable Goals: The Village will continue to educate Public Works employees of current practices that contribute to storm water pollution and/or to develop new procedures and make revisions to existing procedures that will curtail the discharge of pollutants to storm sewer systems by Public Works employees, annually.

The Village will continue the pollution prevention and good housekeeping program to reduce or prevent the discharge of pollutants from municipal activities to the storm sewer system.

F.2 Inspection and Maintenance Program

The Village has procedures and inspection forms for the routine inspections of ponds, stream channels and storm sewer outfalls. The Village typically completes the inspection cycle once every three years or as funding allows.

Measurable Goals: The Village will continue the inspection and maintenance program to identify and repair any stormwater issues with the municipal separate storm sewer system and provide information about individual BMP performance.

The Village will continue with the inspection and maintenance program.

F.3 Municipal Operations Stormwater Control, F.4 Municipal Operations Waste Control and F.6 Other Municipal Operations Control

The Village has a formalized program to prevent stormwater pollution from municipal operations at the Public Works facility. This program encompasses a wide array of activities such as fleet maintenance, salt storage, and recycling. The Village also has procedures and policies to require the appropriate of municipal generated wastes. Lastly the Village performs a variety of activities that reduce or prevent pollutants including pesticides, herbicides, fertilizers and trash from entering the storm sewer system and to minimize exposure. These activities are part of the Villages municipal operations controls and include proper storage and handling, certification, spill and leak prevention, and response procedures, street sweeping and waste recycling.

Measurable Goals: *The Village will implement the formal program and evaluate the effectiveness of the program annually and update the program as needed.*

The Village will continue the municipal operations control program.

F.5 Flood Management/Assessment Guidelines

The Village has adopted the Kane County Ordinance that specifically addresses the Federal Emergency Management Agency requirements regarding flood-prone areas.

Measurable Goals: *The Village will continue to enforce the ordinance regarding potential uses of the special flood hazard area to limit potential for the discharge of contaminants to the storm sewer system.*

The Village will continue the special flood hazard area development and use requirements.

Part C. Information and Data Collection Results

The Village program for evaluating BMP's efficiency removal and overall effectiveness as it relates to the Village's pollutant goals will be updated and revised as needed based on permit conditions and requirements.

Part D. Summary of Year 20 Stormwater Activities

The following table summarizes the BMPs committed to for Year 20. Specific BMPs and measurable goals for Year 20 Stormwater Management Program development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 20.

Year 20	
MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
X	B.2 Educational Volunteer
	B.3 Stakeholder Meeting
	B.4 Public Hearing
X	B.5 Volunteer Monitoring
X	B.6 Program Coordination
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
X	C.10 Other Illicit Discharge Controls

Year 20	
MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

1. Public Education and Outreach

The Village is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The Village commits to implementation of BMPs related to A.1, A.3, and A.6 as described below.

A.1 Distributed Paper Material

The Village will publish stormwater pollution prevention articles in “The Village Journal”.

Measurable Goals: The Village will annually publish stormwater pollution prevention articles in “The Village Journal.”

The Village continues to publish stormwater pollution prevention articles.

A.3 Public Service Announcement

The Village will include a storm water and/or ambient water quality related article once a year in the Village’s newsletter.

Measurable Goals: The Village will include a storm water and/or ambient water quality related article in the Village newsletter each year.

The Village continues to distribute stormwater articles in the Village newsletter.

A.6 Other Public Education

The Village has created website links on the Public Works website to information on protecting water quality from urban runoff.

Measurable Goals: The Village will continue to monitor website links and update as new information becomes available.

The website links, “A Citizen’s Guide for Stormwater Runoff and Pollution Prevention” and Stormwater Pollution Prevention Tips” provide residents and businesses with information for preventing pollution and using water resources appropriately.

2. Public Participation/Involvement

The Village will perform activities and services related to the Public Participation/Involvement minimum control measure. BMPs will be implemented under BMP number B.2, B.5, B.6, and B.7 as described below.

B.2 Educational Volunteer, B.6 Program Coordination

The Village has coordinated with and directly supported volunteer activities throughout the Village. These activities have included stream monitoring, clean-up of ditches, trash pickup and supplying of material and services to groups such as the Huntley Jaycees, the Sierra Club, the Water Sentinels, etc. These activities directly reduce the amount of pollutants reaching receiving waters and provide valuable data for enhancement programs.

Measurable Goals: The Village will coordinate with the groups on future enhancement projects and activities.

The Village will continue with the clean up activities and work to increase participation.

B.3 Stakeholder Meeting

The Village participates and coordinates with watershed planning groups associated with the Eakin Creek and/or the South Branch of the Kishwaukee River watersheds.

Measurable Goals: *The goal of participation in a watershed group is to identify best management practices that are most appropriate and cost effective for the region to be used by municipalities and includes an element for chloride reduction.*

The Village will continue to participate in the stakeholder meetings.

B.4 Public Hearing

The Village holds public meetings to discuss topics including steps the public can take to reduce pollutants to stormwater runoff or the impacts of stormwater runoff on local water bodies.

Measurable Goals: *The goal is to increase public education and involvement regarding the Village's stormwater management and NDPS program and their knowledge on ways they can help.*

The Village will continue to hold a public meeting at least once a year.

B.6 Program Involvement

The Village coordinates with local groups to perform clean up activities. These activities directly reduce the amount of pollutants entering the Village's storm sewer system.

Measurable Goals: *This activity has the goal of encouraging active public participation in ambient water quality programs and increasing the visibility of water quality issues.*

The Village will continue with the clean up activities and work to increase participation.

B.7 Other Public Involvement

The Public Works Department provides contact information on the Village website to allow residents to report stormwater or water quality related issues. The Village also has advised Home Owner Associations (HOAs) and Community Association Management (CAM) regarding maintenance of streams after stream restoration projects are completed.

Measurable Goals: *The goal of this program is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage features. This program will also aid the Public Works Department in the detection of illicit discharges and inspection of drainage features.*

The Village will continue to provide the appropriate contact information to report illicit discharges or other stormwater issues and work with groups to reduce pollution.

3. Illicit Discharge Detection and Elimination

The Village commits to performing some activities related to the Illicit Discharge Detection and Elimination minimum control. BMPs will be implemented under BMP numbers C.1, C.2, C.4, C.5, C.7 and C.10 as described below.

C.1 Storm Sewer Map Preparation

The Village regularly updated its storm sewer map.

Measurable Goals: *The Village will complete a biennial review of the storm sewer map and update as needed.*

The Village continues to review and update the storm sewer map as needed.

C.2 Regulatory Control Program

The Village has adopted an Illicit Discharge Detection and Elimination Ordinance.

Measurable Goals: The Village will enforce the Illicit Discharge Detection and Elimination Ordinance

The Village continues to enforce the Ordinance.

C.4 Illicit Discharge Tracing Procedures and C.5 Illicit Source Removal Procedures

The Village has developed illicit discharge tracing and elimination procedures.

Measurable Goals: The Village will annually trace and remove all illicit discharges detected by resident reporting, dry weather screening, or regular storm sewer maintenance.

The Village continues to trace and remove illicit discharges.

C.7 Visual Dry Weather Screening

The Village has screened storm sewer structures as part of its regular storm sewer maintenance.

Measurable Goals: The Village will annually screen all outfalls within the Village limits. The Village will annually screen 20% of storm sewer structures including manholes, catch basins and inlets.

The Village continues annually screen the outfalls and storm sewer structures in the Village. Due to budget constraints, the number of outfalls and other structures inspected is approximately 50-100 per year. This process will continue until all structures and outfalls are screened and the process will repeat.

C.10 Other Illicit Discharge Controls

The Village performs annual monitoring of the receiving waters upstream and downstream of all MS4 discharge points. The Village monitors the progress of watershed work groups and the establishment of any applicable TMDLs or other Watershed Management Plans. The Village current monitoring program plan is to evaluate the effectiveness of the program's BMPs for the removal of pollutants.

Measurable Goals: The goal of this activity is to monitor receiving streams for potential changes due to the discharge of stormwater and ensure compliance with applicable TMDLs and Watershed Management Plans to reduce waste loads.

The Village will formally develop the monitoring program including BMP evaluation methodology to determine the effectiveness of the removal of pollutants.

4. Construction Site Runoff Control

Kane County has adopted a Countywide Stormwater Management Ordinance (KCO) that establishes the minimum stormwater management requirements for developments in Kane County. The Ordinance establishes standards for construction site runoff control. The Village will continue to enforce the Kane County Ordinance.

D.1 Regulatory Control Program

The Village will enforce the Kane County Stormwater Management Ordinance.

Measurable Goals: The Village will continue to enforce the Ordinance.

The Village continues to enforce the Ordinance.

D.2 Erosion and Sediment Control BMPs

The Village requires erosion and sediment control BMPs.

Measurable Goals: *The Village will continue to require sediment and erosion control BMPs.*

The Village continues to require the erosion and sediment control BMPs.

D.3 Other Waste Control Program

The Village Building Department enforces an ordinance that requires construction site operators to control wastes that may adversely impact water quality.

Measurable Goals: *The Village will continue to require construction site operators to control wastes.*

The Village continues to require construction site operators to control wastes.

D.4 Site Plan Review Procedures

The Village reviews site plans for conformance with the Kane County Ordinance.

Measurable Goals: *The Village will continue to review site plans for conformance to the Ordinance.*

The Village continues to review site plans for conformance with the Kane County Ordinance.

D.6 Site Inspection/Enforcement Procedures

The Village has inspected construction sites and enforced the Kane County Ordinance.

Measurable Goals: *The Village will continue to inspect construction sites and enforce the Kane County Ordinance.*

The Village continues to inspect construction sites and enforce the Kane County Ordinance.

5. Post-Construction Runoff Control

As described above, the Kane County Countywide Stormwater Management Ordinance (KCSMO) establishes the minimum stormwater management requirements for developments in Kane County. The KCSMO establishes standards for post-construction site runoff control. The Village will continue to enforce the KCSMO.

E.2 Regulatory Control Program

The Village will enforce the KCSMO.

Measurable Goals: *The Village will continue to enforce the KCSMO.*

The Village continues to enforce the KCSMO.

E.3 Long Term O&M Procedures

The Village has enforced the KCSMO which requires long term O&M procedures.

Measurable Goals: *The Village will continue to enforce the KCSMO.*

The Village continues to enforce the KCSMO.

E.4 Pre-Construction Review of BMP Designs

The Village reviews BMP designs prior to construction.

Measurable Goals: *The Village will review BMP designs prior to construction.*

The Village continues to review BMP designs prior to construction.

E.5 Site Inspections During Construction

The Village has inspected sites during construction.

Measurable Goals: *The Village will continue to inspect sites during construction.*

The Village continues to inspect sites during construction.

E.6 Post-Construction Inspections

The Village has inspected sites after construction.

Measurable Goals: *The Village will continue to inspect sites after construction.*

The Village continues to inspect sites after construction.

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. The Village will perform BMPs under BMP numbers F.1, F.2 and F.3 as described below.

F.1 Employee Training Program

The Village will continue provide the training and other presentations that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from Village owned facilities and activities to the storm sewer system.

Measurable Goals: *The Village will continue to educate Public Works employees of current practices that contribute to storm water pollution and/or to develop new procedures and make revisions to existing procedures that will curtail the discharge of pollutants to storm sewer systems by Public Works employees, annually.*

The Village will continue the pollution prevention and good housekeeping program to reduce or prevent the discharge of pollutants from municipal activities to the storm sewer system.

F.2 Inspection and Maintenance Program

The Village has procedures and inspection forms for the routine inspections of ponds, stream channels and storm sewer outfalls. The Village typically completes the inspection cycle once every three years or as funding allows.

Measurable Goals: *The Village will continue the inspection and maintenance program to identify and repair any stormwater issues with the municipal separate storm sewer system and provide information about individual BMP performance.*

The Village will continue with the inspection and maintenance program.

F.3 Municipal Operations Stormwater Control, F.4 Municipal Operations Waste Control and F.6 Other Municipal Operations Control

The Village has a formalized program to prevent stormwater pollution from municipal operations at the Public Works facility. This program encompasses a wide array of activities such as fleet maintenance, salt storage, and recycling. The Village also has procedures and policies to require the appropriate of municipal generated wastes. Lastly the Village performs a variety of activities that reduce or prevent pollutants including pesticides, herbicides, fertilizers and trash from entering the storm sewer system and to minimize exposure. These

activities are part of the Villages municipal operations controls and include proper storage and handling, certification, spill and leak prevention, and response procedures, street sweeping and waste recycling.

Measurable Goals: *The Village will implement the formal program and evaluate the effectiveness of the program annually and update the program as needed.*

The Village will continue the municipal operations control program.

F.5 Flood Management/Assessment Guidelines

The Village has adopted the Kane County Ordinance that specifically addresses the Federal Emergency Management Agency requirements regarding flood-prone areas.

Measurable Goals: *The Village will continue to enforce the ordinance regarding potential uses of the special flood hazard area to limit potential for the discharge of contaminants to the storm sewer system.*

The Village will continue the special flood hazard area development and use requirements.

Part E. Notice of Qualifying Local Program

The Counties of Kane and McHenry serve as a Qualifying Local Programs (QLP) for the Village of Huntley. Part E of the Annual Report details the activities performed by the Qualifying Local Programs and is outlined in the attached Annual Report(s).

Illinois Environmental Protection Agency
ANNUAL FACILITY INSPECTION REPORT
for NPDES Permit for Storm Water Discharges
from Municipal Separate Storm Sewer Systems (MS4)

Kane County, Illinois (NPDES Permit No. ILR400259)

YEAR 6: *March 1, 2021 - February 28, 2022*

I. CHANGES TO BEST MANAGEMENT PRACTICES

There are no changes to the Best Management Practices for the six minimum control measures as described in the Notice of Intent for Kane County submitted on May 27, 2016.

II. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

Kane County submitted a Notice of Intent on May 27, 2016, which initiated a new 5-year permit cycle. The BMPs listed in the 2016 Notice of Intent were selected to meet NPDES Phase II program requirements and minimize nonpoint source pollution in Kane County, Illinois.

The implementation progress for each of these BMPs is summarized below in sections A—F. All BMPs described in Kane County’s 2016 Notice of Intent have been implemented on or ahead of schedule, with the exception of select items noted in their descriptions below.

A. PUBLIC EDUCATION AND OUTREACH

1. BMP A.1—Distributed Paper Material

MEASURABLE GOALS	Include “Water Wise Corner” in the <i>Kane County Recycles Green Guide</i> , which is developed and distributed throughout Kane County on an annual basis. Revise “Water Wise Corner” every spring. Track the total number of recipients each year.
RESULTS	<p>The “Clean Water for Kane” section was included in the <i>Kane County Recycles Green Guide</i> for 2021, which was distributed to 26,300 residents countywide via 18,000 print copies and 8,300 digital downloads of the document from the Kane County website. Printed copies of the <i>Green Guide</i> were also distributed at multiple community events (see A.4 Community Event).</p> <p>The “Clean Water for Kane” section was included in the Kane County Recycles Green Guide for 2021, which was distributed to 18,000 residents countywide via printed and electronic copies. Printed copies of the Green Guide are traditionally distributed at community events, however, due to the COVID-19 pandemic, many community events were cancelled or held virtually.</p>

USE LESS. USE WISELY.

ENERGY & SUSTAINABILITY

- Use **ENERGY STAR** rated appliances to conserve energy.
- **Stop idling** your vehicle: Idling wastes fuel and money, and contributes to air pollution. If schools are interested in getting "Please Don't Idle" signs for your drop-off and pick up areas, please reach out to the resource management coordinator at the contacts below.
- Look into your energy provider's **energy efficiency programs and opportunities** to use renewable energy.
- Check out <https://www.countyofkane.org/sustainability/Pages/solar.aspx> for updates on local **residential solar opportunities**.
- **Bike, walk or use public transportation** when possible.
- **Move toward reusables and avoid single-use plastics.**
- **Utilize organics** by composting food and lawn scraps.
- **Purchase consciously:** think about the lifecycle of each purchase you make.



WATER

- **Use WaterSense:** Help conserve our drinking water by using WaterSense rated fixtures to reduce water use in your faucets, toilets, shower heads and irrigation systems.
- **Water wisely:** Water lawns deeply and infrequently to encourage deep root growth. Ideally, your lawn only needs 1 inch of water per week.
- **Install a rain barrel and rain garden:** This conserves potable water and replenishes groundwater supplies.
- **Salt sensibly:** Excessive road salt during winter months can harm our rivers and streams. Shovel first, then apply salt sparingly, one cup is enough for your entire driveway.
- **Protect:** Only rain down the storm drain. Keep household chemicals, cleaners and lawn chemicals (pesticides, herbicides and fertilizers) from being dumped into or washed down storm drains.



Contact: Resource Management Coordinator, at Kleelvy@co.kane.il.us or **630-208-8665**.

For more sustainability information, please visit www.countyofkane.org/sustainability.

RECYCLING PLASTIC BAGS AND PLASTIC FILM

Please do not place plastic bags or film in your household recycling! They are recyclable but only at grocery store drop-boxes. Check your local store for their drop-box and to verify acceptable materials. Please visit www.plasticfilmrecycling.org for more information.

ACCEPTED MATERIALS:

- All clean, clear bread bags labeled with a #2 or #4
- Bubble wrap (clean and free of tape)
- Grocery bags
- Plastic dry cleaning bags
- Plastic newspaper bags
- Plastic mailers (with the "how2recycle" label)
- Paper towel and toilet paper plastic wrap
- Retail bags (hard plastic and string handles removed)
- Zip-lock bags (clean, dry, empty bags only & cut the zip strip off and throw it in the trash)



DO NOT RECYCLE:

- The following are considered contaminants and could jeopardize recycling programs:
- NO receipts, deli stickers, or cling wrap
 - NO frozen food bags
 - NO film that has been painted or has excessive glue
 - NO bio-based or compostable plastic bags
 - NO random plastic that is not specifically listed on the Accepted Materials list



COMPOST BINS & RAIN BARRELS

Will be available at Kane County's Spring Sale! More details in early 2022 at countyofkane.org on the Division of Environmental and Water Resources webpage.

Questions? Call 630-208-8665

This Guide is printed on 100% post-consumer recycled content paper.

7

*Clean Water for Kane section of the
Kane County Recycles Green Guide for 2020-2021*


2. BMP A.2—Speaking Engagement

MEASURABLE GOALS

Provide educational presentations related to stormwater management on a regular basis through involvement in local watershed groups and other environmental committees, ensuring that a minimum of one public presentation is given per year. Track the number of speaking engagements, locations, topics

	presented, and number of attendees at each engagement.
RESULTS	<p>The presentations listed below were given by Kane County staff during the permit year of March 1, 2021 — February 28, 2022:</p> <ul style="list-style-type: none"> • Presentation to Kane County Energy & Environment on Fox River Study Group Water Quality Study and Impacts of Dams on the Fox River; <i>via Zoom (03/12/2021; 15 attendees; video published on-line)</i> • Presentation to Fox River Ecosystem Partnership on NPDES Programs for Local MS4s; <i>via Zoom (01/12/22; 20 attendees)</i> • December 28, 2021, Presentation on Resiliency in Building for Kane County Development Department and Environmental and Water Resources Staff, with a viewing of the documentary “Last House Standing”

3. BMP A.3—Public Service Announcement

MEASURABLE GOALS	<p>A public service announcement for the “Clean Water for Kane” campaign was developed in 2014, and is made available to the community through the Kane County website, special showings, and other digital media outlets.</p> <p>Track the number of PSA showings, locations, and audience reached each year.</p>
RESULTS	<p>During the permit year, the PSA was posted on the Kane County website at: http://www.countyofkane.org/Pages/commDisp.aspx?focusID=145. No special showings of the PSA were organized by Kane County due to a lack of funding.</p> <div data-bbox="516 1125 1448 1797">  </div> <p>PSA on Kane County website</p>

4. BMP A.4—Community Event

MEASURABLE GOALS	Educate residents and other stakeholder groups on stormwater Best Management Practices through participation in environmental and watershed special events in the community, and regular community education/training events including the annual well and septic seminar hosted by the Kane County Health Department. Coordinate a minimum of one public educational workshop per year and participate in other community outreach events. Track the number of events, locations, information distributed, and number of participants for each event.
RESULTS	<p>Kane County staff participated in the community events listed below during the permit year of March 1, 2021 - February 29, 2022. Stormwater educational handouts—including <i>Green Guides</i> (see A.1 Distributed Paper Material), homeowner resource cards, and natural landscaping brochures—were distributed at these community events.</p> <p>Kane County staff participated in the community events listed below during the permit year of March 1, 2021 – February 29, 2022. Some community events were shifted online to “virtual events” due to the COVID-19 pandemic or cancelled due to lack of resources and time to transition events online. Stormwater educational handouts – including the Green Guides (see A.1 Distributed Paper Material) were distributed at the community events held in person, virtual links to the <i>Clean Water for Kane</i> website - which hosts all Kane County stormwater educational materials for the public (see A.6 Other Public Education) - were made available for virtual events.</p> <ul style="list-style-type: none">• One Earth Film Festival [3/13/2021, 400+ registrants]• Fox Valley Sustainability Equity and Sustainability in the Fox Valley (flood mitigation) [4/30/21]• Kane County Rain Barrel Sale Webinar [4/26/2021, 38 attendees] <p>The Kane County Health Department did not host its annual Well & Septic educational events for the public due to the COVID-19 pandemic.</p>

5. BMP A.5—Classroom Education Material

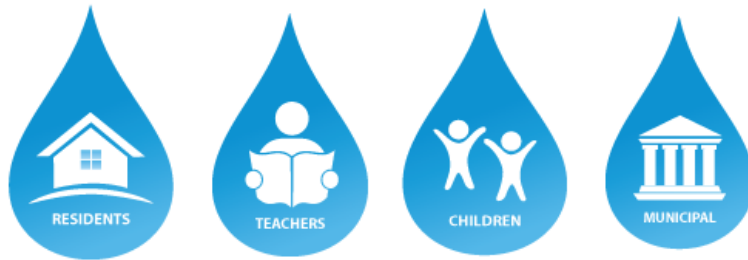
MEASURABLE GOALS	Maintain a collection of stormwater-related educational materials for use in the classroom, and also reach students in the community through educational displays at libraries and other community venues. Update the classroom educational material database on an annual basis. Track the number of educational displays, locations, materials distributed, and number of students reached throughout the year.
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<p>RESULTS</p>	<p>During the permit year, the Kane County Department of Environmental & Water Resources updated the youth educational resource list available on the County website at: www.countyofkane.org/FDER/Pages/EnvironmentalResources/stormwaterEducation/children.aspx.</p> <p>Additionally, the Department provided educational materials—including water conservation coloring books and stickers, <i>Clean Water for Kane</i> rain gages, toilet leak detection tabs, pet waste tip cards, and outdoor water use brochures—to partner organizations, particularly the Forest Preserve District of Kane County and Friends of the Fox River for the Schweitzer Environmental Center.</p> <p>During the permit year, the Kane County Department of Environmental and Water Resources updated the youth educational resource list available on the county website: https://www.countyofkane.org/FDER/Pages/environmentalResources/waterResources/children.aspx as well as the teacher educational resource list available on the county website: https://www.countyofkane.org/FDER/Pages/environmentalResources/waterResources/teachers.aspx</p> <p>Additionally, Kane County Department of Environmental and Water Resources allocated \$500 of FY21 funding to Friends of the Fox River (FOFR) for their Classroom Educational Programming and pledges funding for FY22.</p> <p>Friends of the Fox River hosted classroom education programming for City of Elgin in the form of in-stream 10 education experiences (240 students), 7 classroom watershed education sessions (165 students) and 5 virtual watershed education lessons (80 students). For all of Kane County, Friends of the Fox River organized student education through field trips, campus lessons, virtual programs and public events with different schools and student groups having an overall reach during the reporting year of 2500 students.</p>
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6. BMP A.6 – Other Public Education

<p>MEASURABLE GOALS</p>	<p>The Kane County Department of Environmental & Water Resources maintains a “Clean Water for Kane” website, and also develops seasonal stormwater-related informational articles that are distributed through the <i>Kane County Connects</i> e-newsletter, website, and social media pages. Update the “Clean Water for Kane” web pages on an annual basis. Track the number of stormwater-related articles in <i>Kane County Connects</i>, topics covered, and audience reach each year.</p>
<p>RESULTS</p>	<p>During the permit year, the Kane County Department of Environmental & Water Resources updated the “Stormwater Education” pages on the County website.</p>

Stormwater Education



Stormwater Education page of the Kane County website:
[www.countyofkane.org/FDER/Pages/EnvironmentalResources/
stormwaterEducation.aspx](http://www.countyofkane.org/FDER/Pages/EnvironmentalResources/stormwaterEducation.aspx)

In addition, eight water-related articles were published in *Kane County Connects*:

- *Fabrizius, Konen, Quinn Re-Elected to Soil & Water District Board* [2/15/22] <https://kanecountyconnects.com/2022/02/fabrizius-konen-quinn-re-elected-to-soil-water-district-board/>
- *Soil & Water District Opens Trees, Shrubs and Native Plant Sale* [2/8/22] <https://kanecountyconnects.com/2022/02/soil-water-district-opens-trees-shrubs-and-native-plant-sale/>
- *Kane-Dupage Soil and Water Conservation District Seeks Nominating Petitions for Director* [12/9/21] <https://kanecountyconnects.com/2021/12/kane-dupage-soil-and-water-conservation-district-seeks-nominating-petitions-for-director/>
- *To Water or not to Water? Drought Heats Up Classic Debate Over Summer Lawn Care* [6/8/21] <https://kanecountyconnects.com/2021/06/to-water-or-not-to-water-drought-heats-up-classic-debate-over-summer-lawn-care/>
- *\$605,300 In Rebuild Illinois Capital Funding Awarded to the City of St. Charles to Address Stormwater Runoff* [4/16/21] <https://kanecountyconnects.com/2021/04/605300-in-rebuild-illinois-capital-funding-awarded-to-the-city-of-st-charles-to-address-stormwater-runoff/>
- *Countdown to Earth Day: What You Can Do To Stop Stormwater Runoff, Water Pollution (Plus: A Fun Experiment!)* [4/13/21] <https://kanecountyconnects.com/2021/04/countdown-to-earth-day-what-you-can-do-to-stop-stormwater-runoff-water-pollution-plus-a-fun-experiment/>
- *Countdown to Earth Day: How to Conserve Water – Even in a 1960s Home* [4/6/21] <https://kanecountyconnects.com/2021/04/countdown-to-earth-day-how-to-conserve-water-even-in-a-1960s-home/>
- *1 Inch of Water = \$25,000 Damage – Here's How Kane Residents Can Get FEMA Flood Insurance* [3/11/21] <https://kanecountyconnects.com/2021/03/1-inch-of-water-25000->

	damage-heres-how-kane-residents-can-get-fema-flood-insurance/ <i>Kane County Connects</i> reaches 11,829 newsletter subscribers and over 7,372 followers on social media.
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7. BMP A.6 – Other Public Education

MEASURABLE GOALS	The Kane County Department 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.
RESULTS	During the permit year, Kane County provided no additional stream signs to communities. In Unincorporated Kane County, Jelkes Creek Watershed Group installed 8 total stream signs that were provided by Kane County during the last permit year, along new roadways.

B. PUBLIC PARTICIPATION/INVOLVEMENT

1. BMP B.3—Stakeholder Meeting

MEASURABLE GOALS	Kane County is involved in watershed planning and management efforts that seek input from a variety of watershed stakeholders. 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.
RESULTS	<p>During the permit year, the following stakeholder meetings were held by Kane County:</p> <ul style="list-style-type: none"> • Tyler Creek Watershed Coalition meetings – [3/17/21 via Zoom, 5/19/21, via Zoom; 7/21/21 field tour at Pingree Grove WWTP; 8/18/21 via Zoom, 11/17/21 via Zoom, 12/15/21 via Zoom; 01/19/22 via Zoom] • Indian Creek Watershed Plan Steering Committee – meetings held virtually due to COVID-19; [5/14/21] • Little Rock Watershed Plan Meeting – [6/30/21 via Zoom]

2. BMP B.5—Volunteer Monitoring

MEASURABLE GOALS	Kane County continues to take a multi-level approach to supporting stream monitoring efforts 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 USGS stream gages. Maintain Joint Funding Agreement with USGS and allocate funding for stream gages. Support local volunteer monitoring program. Track the number of leadership meetings attended and the funding provided on an annual basis.
RESULTS	<p>Kane County staff served on the Board of Directors of the Fox River Study Group and as an advisor to the Fox River Ecosystem Partnership, attending the following meetings during the permit year:</p> <ul style="list-style-type: none"> • Fox River Study Group meetings held via Zoom due to COVID-19 [3/25/21, 4/22/21; 5/27/21, 6/18/21-modelling subcommittee mtg, 6/24/21, 7/21/21-modelling subcommittee mtg, 7/22/21, 8/5/21, 9/23/21, 10/28/21, 11/2/21, 11/30/21 with IEPA,12/16/21, 01/27/22, 2/24/22] • Fox River Ecosystem Partnership meetings held via Zoom due to COVID-19 [5/12/21 via Zoom, 6/9/21 in person @ Crystal Lake, 7/28/21, 8/11/21 in person McHenry Twp, 9/8/21, 10/13/21 in person @ Carpentersville; 1/10/21 via Zoom, 01/12/22 via Zoom, 2/9/22 via Zoom. <p>In addition, the Kane County Department of Environmental & Water Resources provided financial support of \$500 to the Friends of the Fox River for their volunteer monitoring program in November 2021. Friends of the Fox River organized monthly creek sampling at Tyler, Otter and Ferson Creeks.</p> <p>A Joint Funding Agreement between Kane County and the U.S. Geological Survey was signed on 10/21/2021 and passed by Kane County Board on 10/12/2021 to cover the time period through September 30, 2022. Kane County has committed \$61,760 of FY22 funding to support five stream gages and four precipitation gages.</p>

3. BMP B.7—Other Public Involvement

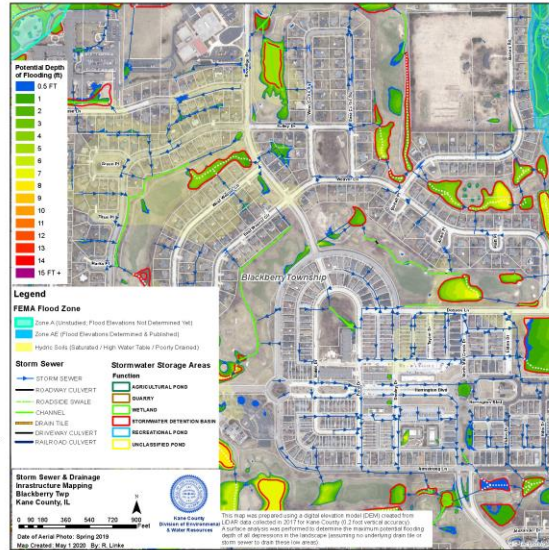
MEASURABLE GOALS	Kane County will provide technical and financial support to the Friends of the Fox River and other local watershed groups to ensure that opportunities exist for public involvement in stream cleanup efforts. Allocate funding to support stream cleanups on an annual basis. Track the number of planning meetings or cleanup events attended by Kane County staff each year. (Gary Swick – reached out)
RESULTS	The Kane County Department of Environmental & Water Resources provided \$500 in November 2021 to the Friends of the Fox River to support stream cleanups throughout the county. Friends of the Fox River organized 52 Watershed weekly publications, 365 facebook posts and twenty two river cleanups, with a total of 237 reported volunteers. In September 2021 FOFR coordinated their 3 rd annual

	<p>“It’s our Fox River Day” and reported over 20 separate events covering 60 miles of the Fox River. Impressive loads of trash were recovered from the riverbed, thanks to very low water conditions, as well as the shorelines. Nearly 500 participants volunteered for the cleanup event and twenty organizations and municipalities partnered with FOFR for the event.</p>
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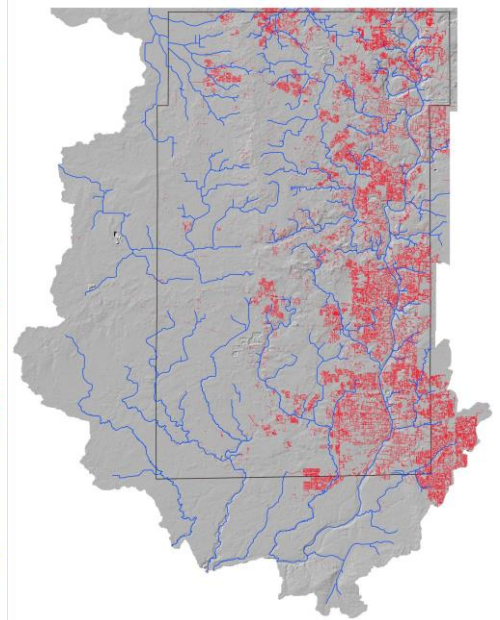
C. ILLICIT DISCHARGE DETECTION AND ELIMINATION

1. BMP C.1—Storm Sewer Map Preparation

MEASURABLE GOALS	<p>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. Update the stormwater system map layer on an annual basis to incorporate new stormwater outfalls identified.</p>
RESULTS	<p>During the permit year, the KCDEWR made more improvements to the County’s stormwater mapping resources. The County’s stormwater mapping resources have been expanded to serve as a countywide drainage infrastructure layer that includes storm sewer routes and detention basin locations for nearly all the municipalities within the County (both MS4 communities and rural communities in the county). The storm sewer mapping has been expanded with more than 50 miles storm sewers, culverts, and drain tiles added to the drainage system mapping across the entire county (2350 miles). The storm sewer / culvert segments mapped to date (80,000 individual items) have been burned into the County’s Digital Elevation Model (from 2017, ft horizontal resolution) to create a hydro-enforced DEM that was then analyzed to create an accurate storm flow path network. This storm flow path network shows how stormwater moves across the county at any location down to the nearest receiving stream. This will give the county and MS4 communities a new tool to use in tracing illicit discharges and quickly mitigating them before they move farther downstream. As it is a collaborative effort with the municipalities, the data layers will be provided back to all the municipalities to help supplement their MS4 mapping resources in 2021 and beyond. The PDF maps showing the complete drainage system network are available to all municipal staff person and now to the general public as well at: https://www.countyofkane.org/FDER/Pages/County-Drainage-Maps.aspx. Additionally, KCDEWR has developed a stormwater flow tracing tool for County staff to utilize for spill responses, illicit discharge investigations and stormwater investigations.</p>



Sample of Kane County's Storm Sewer Map



Map of countywide drainage infrastructure GIS layer in Feb 2022

2. BMP C.2—Regulatory Control Program

MEASURABLE GOALS	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. Track the number of illicit discharges identified on an annual basis and document the actions taken to eliminate the discharges.
RESULTS	<p>The Kane County Health Department has continued to enforce its regulatory authority to prohibit, inspect, and follow-up with enforcement for illegal discharges into the County's MS4. During this reporting period, the Health Department received 32 septic complaints.</p> <p>KC Environmental & Water Resources Dept investigated 2 potential illicit discharges during the reporting period. Incident #1 occurred on KC Government Center Property involving a small diesel spill from overfilling a semi trailer fuel tank. This small discharge was contained on the pavement and did not reach the storm sewer system or receiving stream. Incident #2 was reported to the IEPA by a local resident and KCDEWR staff investigated and the discharge was determined to be a sump pump discharge into the road ditch and exacerbated by an apparent leak in the potable water service line into the residence. The Kane County Building Department is working with the resident to fix the water service line leak and reduce the sump pump discharge.</p>

3. BMP C.10—Other Illicit Discharge Controls

MEASURABLE GOALS	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. 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.
RESULTS	Kane County Health Department did not perform any well nor septic staff training during this reporting period due to the COVID-19 pandemic.

D. CONSTRUCTION SITE RUNOFF CONTROL

1. BMP D.1—Regulatory Control Program

MEASURABLE GOALS	The Kane County Stormwater Management Ordinance addresses all requirements
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	of the Construction Site Runoff Control measures, D.1-D.7. Implement and enforce the Kane County Stormwater Ordinance, maintaining and updating program documentation annually.
RESULTS	During the permit year, 38 Stormwater Permit Applications were submitted to the County. All of these proposed projects were reviewed with consideration of Construction Site Runoff under the requirements of the Kane County Stormwater Management Ordinance. Permits are digitally tracked in the Kane County – CityView system, in addition to a digital copy the County maintains of the permits and plans for Stormwater Permit Applications.

E. POST-CONSTRUCTION RUNOFF CONTROL

1. BMP E.2—Regulatory Control Program

MEASURABLE GOALS	The Kane County Stormwater Management Ordinance addresses all requirements of the Post-Construction Runoff Control measures, E.1-E.7. Implement and enforce the Kane County Stormwater Ordinance, maintaining and updating program documentation annually.
RESULTS	During the reporting period, 33 Stormwater Permits were issued. Post-Construction Runoff Control measures were implemented on these projects under the requirements of the Kane County Stormwater Management Ordinance. Permits are digitally tracked in the Kane County – CityView, in addition to a digital copy the County maintains of the permits and plans for Stormwater Permit Applications.

F. POLLUTION PREVENTION/GOOD HOUSEKEEPING

1. BMP F.1—Employee Training Program

MEASURABLE GOALS	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, as well as by hosting webcasts. 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
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	relevant, tracking the number of trainings provided and the number of attendees.
RESULTS	<p>During the permit year, the Kane County Department of Environmental & Water Resources regularly updated the MS4 contact list. Two issues of the “MS4 Corner” newsletter were created and distributed to the contact list [Distributed on: 9/8/21 and 6/2/21]. Newsletters were limited in quantity due to staff time constraints, there will be additional distributions in following permit year to make up for lost communications.</p> <div data-bbox="626 483 1351 1686" data-label="Image"> </div> <p><i>Example issue of MS4 Corner</i></p> <p>During the permit year, Kane County hosted the following webcasts from the Center for Watershed Protection virtually:</p> <ul style="list-style-type: none"> • <i>Planning & Implementation for TMDLs</i> [6/2/21; 4 Kane County staff attendees]

	<ul style="list-style-type: none"> • <i>Stormwater BMP Selection</i> [6/9/21; 5 participants, 4 Kane County staff] • <i>Public Involvement and Education Programs</i> [9/15/21; 6 attendees, 4 Kane County staff] <p>In addition, Kane County Environmental & Water Resources staff participated in the following training opportunities provided by other entities:</p> <ul style="list-style-type: none"> • Illinois Association of Floodplain & Stormwater Management Annual Conference in Tinley Park, IL [3/10/21-3/11/21; virtual conference; 3 staff attended] • Michigan Floodplain & Stormwater Virtual Conference [3/4/21; Attended by Anne Wilford]
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2. BMP F.2—Inspection and Maintenance Program

MEASURABLE GOALS	Kane County will continue its established Operation and Maintenance Program – which includes the Department of Transportation clearing roadside swales once a year, and inspecting and cleaning catch basins and storm inlets quarterly. Kane County will also develop and adhere to an annual inspection and maintenance schedule for BMPs installed on County properties, and will utilize available tools to implement a BMP Inventory & Evaluation Program. 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.
RESULTS	<p>During 2021, the Kane County Department of Transportation swept approximately 90 miles of curbing and 40 bridge decks on a regular seasonal interval.</p> <p>In addition, KDOT cleaned out approximately 500 catch basins on Kirk Rd and Fabyan Pkwy.</p> <p>KCDEWR continues to update its BMP Inventory & Evaluation spreadsheet (see section III) to track data for BMPs installed on Kane County owned properties.</p>

3. BMP F.4—Municipal Operations Waste Disposal

MEASURABLE GOALS	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, antifreeze, oil filters, tires, batteries, scrap metal, and cardboard. Perform fleet inspections and recycle hazardous materials on an ongoing basis, documenting compliance with the procedures annually.
RESULTS	

	<p>The Kane County Department of Transportation continues to follow established vehicle maintenance and proper waste disposal procedures, maintaining internal records of these activities using CFA (Computerized Fleet Analysis) Software for fleet tracking.</p> <p>KDOT vehicles are inspected according to the following schedule:</p> <ul style="list-style-type: none"> • Heavy trucks (snow plows, etc.)—every 2000 miles or 180 days • Light trucks and cars—every 5000 miles or 90-180 days • Heavy off-road equipment—every 50 hours or 180 days • Light off-road equipment—every 50 hours or 180 days
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4. BMP F.5—Flood Management/Assessment Guidelines

MEASURABLE GOALS	Kane County will continue to implement the Kane County Hazard Mitigation Program as outlined in the Plan. Host two Hazard Mitigation Committee meetings per year to coordinate ongoing implementation of the plan.
RESULTS	<p>The Kane County Emergency Management Department and Kane County Department of Environmental & Water Resources continue to coordinate the implementation of the <i>Kane County Natural Hazards Mitigation Plan</i>, which was first adopted in 2003 and updated in 2015. The Plan is currently expired as of December of 2020. County Staff is in the process of completing the Plan Update for December of 2022.</p> <p>During the permit year, Kane County Hazard Mitigation Committee meetings were postponed due to COVID.</p> <p>In addition, the Kane County Department of Environmental & Water Resources completed 2 cost-share projects to reduce flooding on unincorporated residential properties (property list available upon request).</p>

5. BMP F.6—Other Municipal Operations Controls

MEASURABLE GOALS	Kane County will implement Road Salt Application and Storage procedures to minimize salt washoff into the County's MS4. Train staff on deicing and salt management procedures on an annual basis. Track the number of training events and participants each year.
RESULTS	The Kane County Department of Transportation provides continual training on salt application and storage procedures via staff manuals, calibrates KDOT trucks to the proper salt dispensing rate, equips each salt truck with a reference table the driver can use to determine the optimal rate of pounds of salt dispensed per

	<p>lane mile, and stores salt indoors throughout the year to minimize concentrated salt washoff into the MS4.</p> <p>The Kane County Department of Environmental & Water Resources also worked with The Conservation Foundation to host a virtual winter road maintenance training that was open to all MS4 communities in the region.</p> <ul style="list-style-type: none">• Public Roads Deicing Workshops were held on September 30, October 5, and October 14, 2021. The links were sharable so the webinars could be viewed individually or in groups. A survey was provided at the end of each webinar to those who had signed in asking for the number of attendees from each agency and for an evaluation of the webinar. The survey results indicated that 10 Kane County representatives participated in the three Public Roads webinars.• The Parking Lots and Sidewalks Deicing Workshop webinars were held on September 28 and October 7, 2021 with Fortin Consulting, Inc. presenting. The survey results indicated that there was one Kane County representative who viewed the webinars.
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REGISTRATION OPEN

www.SaltSmart.org

2021 Virtual Deicing Workshops

Public Roads
September 30, 2021
October 5, 2021
October 12, 2021
8 am—12 pm

Parking Lots & Sidewalks
September 28, 2021
October 7, 2021
8 am—12 pm

Hosted by:



Registration is available through SaltSmart.org

Kane County Parking Lots and Sidewalks Deicing Workshop flyer

III. RESULTS OF INFORMATION COLLECTED AND ANALYZED

No monitoring data was collected and analyzed during the reporting period. Per Attachment B. of the 2016 Notice of Intent, Kane County has elected to implement a BMP Inventory & Evaluation Program in lieu of monitoring (Note: Kane County continues to participate in the Fox River Study Group, Inc., a non-profit organization who is performing on-going watershed-wide water quality monitoring and modeling to address impairments in the Fox River <https://www.foxriverstudygroup.org/>)

During the permit year, the “MS4 Non-Point Source Control Measure Tracking Tool” provided by the Fox River Study Group was used to calculate annual pollutant load reduction for the following BMPs on Kane County government-owned properties:

MS4 Non-Point Source Control Measure Tracking Tool												
Fox River Watershed, Illinois												
MS4	Project Name	Project Cost	Project Type	Total Area Captured (acres)	% Urban High Density	% Low-Medium Density	% Urban Open Space	Area-Weighted UAL (lb/acre/yr)	Load (lb)	Removal Efficiency	Total Load Removed (lb/yr)	Cost per Pound P Removed (\$/lb)
Kane county	KC Govt Center PICP Parking Lot	\$250,000	Bioretention	0.99	100%	0%	0%	0.98	1.0	65%	0.6	\$398,408
Kane county	KC Govt Center Rain Garden	\$25,000	Bioretention	0.4	75%		25%	0.79	0.3	65%	0.2	\$121,768
Kane county	KC Circuit Court Clerk Parking Lot Bioretention Basins (2)	\$35,000	Bioretention	1.3	95%		5%	0.94	1.2	65%	0.8	\$44,156
Kane county	KDOT Building Expansion Detention Basin	\$25,000	Dry detention	1.1	75%		25%	0.79	0.9	26%	0.2	\$110,698
Kane county	KDOT Storage Yard Detention Basin	\$15,000	Dry detention	3.25	100%			0.98	3.2	26%	0.8	\$18,204
Kane county	KC Judicial Center Pond	\$250,000	Wet detention	250	20%		80%	0.38	95.4	68%	64.9	\$3,854
Kane county	KDOT Detention at Big Timber & Toad Farm Rd in Elgin Twp	\$25,000	Dry detention	27	90%		10%	0.90	24.3	26%	6.3	\$3,953
Kane county	KC Multi-Use Facility Detention Basin	\$430,000	Wet detention	6	75%		25%	0.79	4.7	68%	3.2	\$133,467
Kane county	KDOT Stearns Rd Det 09-0009	\$100,000	Wet detention	7.25	40%		60%	0.53	3.8	68%	2.6	\$38,274
Kane county	KDOT Stearns Rd Det 09-0010	\$250,000	Wet detention	17.8	40%		60%	0.53	9.4	68%	6.4	\$38,973
Kane county	KDOT Stearns Rd Det 09-0011	\$100,000	Dry detention	5.9	30%	30%	40%	0.53	3.1	26%	0.8	\$122,444
Kane county	KDOT Stearns Rd Det 09-0012	\$100,000	Wet detention	6.6	30%		70%	0.46	3.0	68%	2.0	\$48,887
Kane county	KDOT Stearns Rd Det 09-0013	\$150,000	Wet detention	11.4	40%		60%	0.53	6.0	68%	4.1	\$36,511
Kane county	KDOT Stearns Rd Det 09-0014	\$100,000	Wet detention	22.6	40%		60%	0.53	12.0	68%	8.1	\$12,278
Kane county	KDOT Fabyan Pkwy Det 12-003	\$50,000	Wet detention	2.7	100%			0.98	2.6	68%	1.8	\$27,928
Kane county	KDOT Fabyan Pkwy Det 12-004	\$75,000	Wet detention	2	100%			0.98	2.0	68%	1.3	\$56,553

An electronic copy of this inventory is available upon request. Two new structural BMPs were constructed on Kane County government-owned property in 2020-2021 which have been added to the County’s BMP inventory – stormwater detention BMPs on Fabyan Parkway for the parkway expansion project.

IV. SUMMARY OF ANTICIPATED ACTIVITIES DURING NEXT REPORTING CYCLE

During the upcoming permit year, Kane County staff will continue work to implement the LEED for Cities and Communities monitoring and reporting platforms, which include components on water quality, ecosystem health, waste management, and resiliency. This will provide Kane County the opportunity to further articulate efforts being made to improve water quality and the connection of these efforts to other initiatives throughout the County.

V. RELIANCE ON ANOTHER GOVERNMENTAL ENTITY

Kane County is not relying on another governmental entity to satisfy NPDES permit obligations.

VI. CONSTRUCTION PROJECT LIST

The following Kane County road construction projects were active during the permit year of March 2021—February 2022:

**List of Kane Co DOT Transportation Projects Under Construction or Completed
between Mar 2021 -Feb 2022**

Section Number	Project Name
'20-00502-02-BT	Fabyan MUP
'21-00000-01-GM	Chip Seal
'21-00000-02-GM	Asphalt Rejuvenator
21-00000-04-GM	2021 Crack seal
21-00000-05-GM	2021 Water Paint pavement
21-00000-06-GM	2021 Uretahane Paint
'19-00509-00-BR	Harter Rd Culvert
'19-00523-00-BR	2020 Bridge Rehab SSP #1
'20-00513-00-CH	Main St at Nelson Lake
'21-00192-07-BR	Kirk over UPRR Deck Repairs
'19-00513-00-BR	Randall and Silver Glen Intersection
'20-00527-00-RS	2021 Resurfacing
'20-00498-01-BR	Bridge Rehab-Stearns, Dunham, Burl.

Part F. Construction Projects Conducted During Year 19

[illegible]