



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, 2020 To March, 2021

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))

Tim Farrell

5/28/2021

Owner Signature:

Date:

Timothy Farrell

Director, Public Works & Engineering

Printed Name:

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 18: March 2020 to March 2021

Village of Huntley

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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 16	Year 17	Year 18	Year 19	Year 20	
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 16	Year 17	Year 18	Year 19	Year 20	
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 2020. 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 18 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 19 Stormwater Activities

The following table summarizes the BMPs committed to for Year 19. Specific BMPs and measurable goals for Year 19 Stormwater Management Program development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 19.

Year 19	
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 19	
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.2 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

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, 2020 To March, 2021

Permit No. ILR40 0264

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

Name: McHenry County Mailing Address 1: 2200 Seminary
Mailing Address 2: _____ County: McHenry
City: Woodstock State: IL Zip: 60098 Telephone: 815-334-4000
Contact Person: Peter Austin, County Administrator Email Address: pbaustin@mchenrycountyil.gov
(Person responsible for Annual Report)

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

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: _____
Peter Austin
Printed Name:

Date: May 21, 2021
County Administrator
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

**Illinois Environmental Protection Agency
Annual Facility Inspection Report
for General Permit for Discharges from Small MS4s**

**McHenry County – Permit No. ILR400264
Permit Year 18: March 2020 through February 2021**



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Part A. Changes to Best Management Practices, Year 18

Information regarding the status of all of the BMPs and measurable goals described in the MS4's SMPP is provided in the following table.

Note: X indicates BMPs that were implemented in accordance with the MS4's SMPP
✓ indicates BMPs that were changed during Year 18

Year 18 MS4	Best Management Practice (BMP)
A. Public Education and Outreach on Storm Water Impacts	
X	A.1 Distributed Paper Material
X	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Involvement/Participation	
	B.1 Public Panel
X	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
X	B.5 Volunteer Monitoring
X	B.6 Program Involvement
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Sewer Map Preparation
X	C.2 Regulatory Control Program Review Ordinances
X	C.2 Regulatory Control Program Coordinate with MCEMA
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 18 MS4	Best Management Practice (BMP)
D. Construction Site Storm Water Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
	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
X	D.7 Other Construction Site Runoff Controls
E. Post-Construction Storm Water Management in New Development and Redevelopment	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Construction Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Construction Runoff Controls
F. Pollution Prevention/Good Housekeeping for Municipal Operations	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
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

No changes were made to the BMPs described in the MS4's SMPP during Year 18. Given the unusual circumstances, economic shut-down, and social distancing requirements due to Covid-19, implementation of some BMP's during Year 18 may not be consistent with previous years. As Covid-19 becomes less of a health risk, activities involving public education, outreach, and involvement will increase.

The current version of the Permit was issued on February 10, 2016 and the effective date was March 1, 2016. Therefore, the current MS4 complies with the March 1, 2016 Permit

requirements for Year 15 and subsequent years, until the Permit expired in 2021 at the end of Year 18. The MS4 remains committed to performing activities related to the six MCMs described in the most recent version of the Permit.

Part B. Status of Compliance with Permit Conditions, Year 18

Stormwater Management Activities, Year 18

The stormwater management activities that the MS4 performed during Year 18, including the MS4's BMPs and measureable goals, are described in detail in the MS4's SMPP. A brief summary of the status of the MS4's stormwater management program, as of the end of Year 18, is provided below. The SMPP is attached for reference. The MS4's SMPP can also be viewed at www.mchenrycountyil.gov/county-government/departments-j-z/planning-development/water-resources/npdes

Status of Compliance with Permit Conditions

McHenry County revised its NOI in 2016 to better meet the requirements of the third permit cycle of the NPDES Phase II program to minimize nonpoint source pollution. All programs have been implemented.

Assessment of Appropriateness of Identified BMPs

McHenry County incorporates the reviewed and identified structural and non-structural BMPs included in McHenry County's Stormwater Management Ordinance, Access Management Ordinance, and Subdivision Ordinance, which now includes Conservation Design Standards, Illinois Urban Manual, and IDOT Standards and Specifications into all development and transportation projects to the maximum extent practicable. All BMPs were reviewed and assessed for appropriateness and a revised NOI was submitted in 2016. BMPs not referenced below have a Qualifying Local Program (QLP) and a reference to the Stormwater Management Program Plan (SMPP) expounding in more detail the QLP that fulfills the BMP requirement.

Progress Towards a Reduction in Pollutants Discharged

MCDOT has reduced and continues to reduce its salt usage during winter through new innovative pre-wetting and liquid mixtures in conjunction with equipment calibration. MCDOT has improved their ability to produce and safely store anti-icing liquids, including the installation of new storage tanks within a new secondary containment system.

In the winter of Year 18 MCDOT initiated three routes that only use liquids. The use of liquids instead of solid rock salt and other granular deicers can result in significantly less chlorides being released while effectively maintaining public safety on roadways. Data such as performance, chloride reduction, and cost savings of the liquid only routes are being monitored and recorded. The data is being used to promote the use of liquids by municipal transportation departments and other educational outreach and training for sensible salting practices. The Sensible Salting Workshops that MCDOT and the Department of Planning and Development have been providing annually since 2009 were cancelled in Year 18 due to Covid-19. The Workshops are expected to resume in Year 19.

The MCDOT maintenance department continues to collect trash in the rights-of-way every spring in conjunction with the strong Adopt-A-Highway program in McHenry County. The Sheriff's Office supplements trash pickup throughout the County with inmate community service labor. Additionally, the MCDOT street sweeper program is reducing sediment load to receiving waters by cleaning all curbs and gutters at least twice in the year and the vector truck activities

are cleaning catch basins periodically throughout the year on a rotating cycle. These programs result in a large amount of tangible waste and pollutants never reaching the surface waters of McHenry County.

McHenry County Planning and Development and a Task Force of diverse stakeholders completed a Water Resources Action Plan (WRAP) for the county. The WRAP is designed to empower communities, businesses and individuals to prevent pollution and protect water resources. The WRAP was adopted by the County Board in November of 2020 and is being used to raise awareness and influence municipal public policy about water pollution. The Annual McHenry County Water Forum was not held in Year 18 due to Covid-19 but will be conducted online during Year 19.

The IEPA audited this program in January 2017, reporting the County in full compliance to General Permit ILR40 and our Notice of Intent.

Progress Towards Achievement of Measurable Goals Identified for Permit Year 18

The status of progress towards achieving identified measurable goals for each of the minimum control measures is presented below:

1. Public Education and Outreach on Storm Water Impacts

BMP A.1 Distributed Paper Material

The goal of this program will be to make informational brochures available to the public to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 18: The NPDES Coordinators will monitor and refresh supplies of informational materials and brochures available for the public at the MCDOT facility, Planning & Development office, posted on the County's NPDES website and at public meetings for road construction projects. The Department of Health will oversee the availability of their brochures within their department. Monitoring of amount of brochures distributed will continue for BMP effectiveness.

The County maintained its measurable goal of providing informational material and brochures that increases awareness of the impacts of stormwater discharges on water bodies and steps that the public can take to reduce pollutants in stormwater runoff. Such information was made available to the public at all facilities, including the Department of Planning and Development, the Division of Transportation, and the Department of Health. While there were few opportunities to distribute informational brochures at "in-person" events in Year 18 due to Covid-19, the distribution of materials will resume in Year 19 as Covid-19 restrictions relax. For compliance with the updated IPEA NPDES permit, most current educational materials are consistent with the revised permit requirements. The County also provided distributable materials on climate change, including the USEPA's "What Climate Change Means for Illinois" and "Climate Change & You - What You Can Do at Home" handouts. Planning and Development Staff is working collaboratively with the Northwest Water Planning Alliance and a broad group of stakeholders from northeast Illinois to prepare a Regional Sensible Salting Manual and other strategies to reduce salt use on parking lots. Refer to the SMPP Appendix 5.3 for a comprehensive list of brochures available in Year 18.

BMP A.2 Speaking Engagement

The goal of this program will be to provide verbal communications that helps to increase awareness of impacts of stormwater discharges on water bodies for stakeholders in the community and the steps the public can take to reduce pollutants in stormwater runoff.

Year 18: The NPDES Coordinators will provide presentations, demonstrations or other public speaking engagements to raise awareness about water quality issues associated with stormwater discharges. The speaking engagements may be conducted by members of the Department of Planning and Development, the Health Department or the MCDOT. The number of speaking engagements about water resources will be monitored to evaluate BMP effectiveness.

Although traditional opportunities for public speaking were not feasible during Year 18 due to Covid-19, the NPDES Coordinators spoke on behalf of water quality on numerous online meetings and gave online presentations about Sensible Salting and Micro-Plastics to local environmental organizations. The Department of Planning and Development maintained correspondence with Water Resources Action Plan (WRAP) Task Force members electronically throughout the development of the WRAP. Presentations on the WRAP were also provided to

members of the McHenry County Board who voted to adopt the WRAP in November of 2020. As Covid-19 restrictions are lifted in Year 19, the County will continue to meet its measurable goal for speaking engagements by giving presentations at public events including an Earth Day celebration, presentations for numerous community organizations, an annual Green Living Festival, the County Fair, and an annual Water Forum. Groundwater Festivals for students will also resume as schools return to full in-person classes.

BMP A.3 Public Service Announcement

The goal of this program is to increase awareness of impacts from stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 18: The County will include one stormwater and/or water quality related article once a year in a conservation organization's newsletter which is distributed countywide, included on the McHenry County NPDES or Water Resources website, or in one of the two main local newspapers the Daily Herald or Northwest Herald distributed in McHenry County. Partnership with another MS4 permit holder will be considered to accomplish this BMP.

The County met its measurable goal for this BMP. Planning and Development staff contributed to a water resources article published in the Winter 2021 issue of the Environmental Defenders of McHenry County (EDMC) Earthconnect newsletter. The article discussed a collaborative micro-plastics study that the EDMC, Planning and Development staff, and researchers from the Illinois Sustainable Technology Center are conducting in McHenry County. Please refer to the SMPP Appendix 5.5 for a comprehensive list of water quality related articles and the periodical in which they were published. The McHenry County Department of Planning and Development – Water Resources Division and MCDOT share an NPDES website that is hosted by the County. The Water Resources website reports on Groundwater Protection activities and maintains a large number of current articles and brochures on protecting groundwater, promoting water issue awareness, and conservation of water including green infrastructure BMPs. The Water Resources Division also maintains a website that focuses on Surface Water and Stormwater. The Department of Health also has a website that includes water quality and pollution prevention information.

BMP A.4 Community Event

The goal of this program is to increase awareness of impacts from stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 18: The County will hold one public event focused on water resources including stormwater and/or water quality. The number of attendees will be monitored to evaluate effectiveness of the BMP.

The County exceeded the measurable goal for this BMP. The McHenry County Department of Health held numerous recycling and waste collection events during Year 18 of the MS4. These events included: 4 residential electronics collections events on July 25, August 29, September 19, and October 3, 2020. These events resulted in 67,758 pounds of electronics being collected and recycled. Batteries were also collected at these and other collection dates resulting in the collection of approximately 5,530 pounds of single-use alkaline batteries. Tire recycling events were held on September 10 and November 7, 2020 resulting in the collection of approximately 175 tons of tires.

Other community events that are regularly held, were not feasible in Year 18 due to Covid-19. The Department of Planning and Development usually meets or exceeds this goal with their annual Water Forum and other water related events. Community events will be held again in Year 19 as an online program or “in-person” when Covid-19 restrictions are relaxed. Videos and supporting information for past community events, such as the Water Forum and Water Resources Action Plan (WRAP) meetings can be viewed on the WRAP webpage on the County’s water resources website at www.mchenryh2o.com.

BMP A.5 Classroom Education Materials

The goal of this program is to teach students about the impacts of stormwater discharges on water bodies and the steps that can be taken to reduce pollutants in stormwater runoff.

Year 18: The County will provide educational resources, including information about stormwater management, through the McHenry County Schools Environmental Education Program (MCSEEP). The County will also participate in stormwater related events such as the Groundwater Festival.

Under normal circumstances MCSEEP provides environmental education programs for schools throughout the county that includes curricula about stormwater and water quality issues. MCSEEP would also coordinate with the schools, the Department of Planning and Development, and the Department of Health to host spring and fall Groundwater Festivals that included interactive programs on stormwater, water quality, best management practices, and green infrastructure. The groundwater festivals usually involve multiple schools and hundreds of students, parents and teachers. Since schools shut down and had to adapt to online learning due to Covid-19, most of MCSEEP’s educational programming could not be provided during Year 18. After Covid-19 restriction are relaxed and schools resume normal practices, MCSEEP will coordinate with schools to re-integrate environmental education programming and events.

BMP A.6 Other Public Education - Website Links

The goal of this program is to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 18: All information and website links will be monitored for accuracy and usage. As new information is published, the website will be updated accordingly.

The County has met its measurable goal of including stormwater information, brochures, articles, volunteer programs, all NPDES reports, other agency newsletters, and agency links on the joint MCDOT and Water Resources Division NPDES website. A link to construction projects and individual NOIs is included for easy reference: www.mchenrycountyil.gov/county-government/departments-j-z/planning-development/water-resources/npdes. For compliance with the updated IPEA NPDES permit, the County also provided a link on the NPDES webpage to climate change websites including the USEPA climate change page, the NASA Climate Change and Global Warming page, and the National Climate Assessment page for the Midwest. All links are monitored for operation, content, and current information. Updates are made as new

information becomes available by the Data/Communications Manager. See Section 3.A.6 of the SMPP for additional information. Monitoring of website visits is performed by a web counter. Approximately 122 unique visits to the NPDES website were counted during this reporting period, a 60% increase from the previous year.

During Year 18 the McHenry County Water Resources Action Plan (WRAP) was completed by the Department of Planning and Development and the WRAP Task Force. The Plan provides background information about water resources in McHenry County, identifies the different land uses in the county, the threats to water under each of the land uses, and recommends best management practices to mitigate the threats. The WRAP was officially adopted by the McHenry County Board in November 2020. The WRAP was posted on the Water Resources Division website and is available to the public. The WRAP and supporting information can be viewed on the Water Resources Division website at www.mchenryh2o.com

2. Public Involvement/Participation

BMPs B.2 Educational Volunteer, B.5 Volunteer Monitoring, B.6 Program Involvement

The goal of this program is to provide public involvement opportunities and participation programs that allow input from citizens during the development and implementation of the MS4's permit activities.

Year 18: The Adopt-A-Highway program will continue with the oversight of MCDOT. New volunteer groups will be added when the requests are approved by the County.

The County has met its measurable goal of providing volunteer opportunities to stakeholders in the county. Through the County's Adopt-A-Highway program, 52 active volunteer groups covered 152 of the 213 centerline adoptable miles, resulting in 71.4% of MCDOT adoptable miles being maintained. A total of 438 bags of refuse were collected by the 52 active volunteer groups. The number of active volunteer groups and total of bags collected are lower than previous years. The reduced numbers during this reporting period are likely due to Covid-19. Refer to Section 3.B of the SMPP for further information.

BMP B.3 Stakeholder Meeting

The goal of this program is to offer a venue for citizens to provide feedback on the MS4's permit and activities associated with it. Additionally, this BMP would also cover outside organization meetings that the MS4 attends.

Year 18: The County will continue to attend and participate in outside organization meetings and activities. The County will hold a presentation on the MS4 program at a regularly scheduled meeting to provide a public forum for comments.

The County actively participates in outside organization meetings and activities, including watershed groups and environmental groups. The County will provide a public forum for comments on the County's MS4 program at the Planning, Environment and Development Committee meeting in June. County staff will give a presentation on the annual activities and solicit feedback from the committee and any public.

BMP B.7 Other Public Involvement

The goal of this program is to document any other public involvement activities that citizens may assist the MS4 in detecting illicit discharges and drainage issues.

Year 18: Through the County's procedure for responding to citizen complaints regarding illicit discharges and drainage concerns and the County's Adopt-A-Highway program, all complaints are logged and addressed as appropriate. The County will annually determine if any of the MS4's jurisdiction may classify as an environmental justice area.

Both the McHenry County Division of Transportation and McHenry County Department of Health answer all citizen complaints as they are received. The County has not identified any environmental justice areas within its jurisdiction, so no further documentation is required. Refer to Section 3.B.7 of the SMPP for further information.

3. Illicit Discharge Detection and Elimination

BMP C.1 Sewer Map Preparation

The goal of this program is to maintain a storm sewer and structure map of all drainage and outfalls to receiving streams in the County's rights-of-way for ease in tracking the source of any illicit discharge.

Year 18: The MCDOT will maintain and update, as needed, the master list in SMPP Appendix 5.6, which includes all outfalls and names of receiving waters within the MCDOT rights-of-way and County facility detention/retention ponds. The MCDOT GIS specialist will continue to populate the drainage database with the entire MCDOT drainage system into the CarteGraph Drainage Module and ArcGIS.

The MCDOT continues to meet its measurable goal. During recent MS4 reporting cycles MCDOT has surveyed the entire County Route system, updated the comprehensive GIS mapping, added watershed/sub-watershed boundaries to better facilitate watershed planning, and photographed all outfall structures from multiple angles to aid in monitoring, training, planning, or responding to illicit discharge complaints. During Year 18, the comprehensive maps were updated to reflect any changes due to recent or current construction projects.

BMPs C.2 Regulatory Control Program, C.3 Detection/Elimination Prioritization Plan, C.4 Illicit Discharge Tracing Procedures, and C.5 Illicit Source Removal Procedures

See Qualifying Local Program – McHenry County Planning and Development Department, McHenry County Department of Health, McHenry County Emergency Management Agency, Illinois Environmental Protection Agency, and State Attorney's Office. Refer to Sections 3.C.2, 3.C.3, 3.C.4, and 3.C.5 of the SMPP for further information.

Year 18: The County conducts periodic inspections of the storm sewer outfalls listed in Appendix 5.6, which includes all outfalls and names of receiving waters within the MCDOT rights-of-way and County facility detention/retention ponds. The McHenry County Department of Health also responds to any complaints regarding illicit discharges and follows up with appropriate action to resolve any that are confirmed.

No illicit discharges into County rights-of-way were recorded by the MCDOT for this permit period. The McHenry County Department of Health recorded 41 illicit discharge complaints, with 28 of those complaints confirmed to be illicit discharges.

BMP C.7 Visual Dry Weather Screening

The goal of this program is to conduct periodic inspections of all storm sewer outfalls during dry weather conditions for detection of non-storm water discharges and illegal dumping.

Year 18: The MCDOT conducts periodic inspections of the storm sewer outfalls listed in Appendix 5.6, which includes all outfalls and names of receiving waters within the MCDOT rights-of-way and County facility detention/retention ponds. The MCDOT has identified high priority outfalls that are inspected annually with all remaining outfalls inspected on a rotating basis so all outfalls are inspected over a five year period.

The County met this BMP during the Year 18 reporting period in accordance with the updated IEPA NPDES Permit. A list of the outfalls inspected during the Year 18 reporting period is included below. Refer to Section 3.C.7 of the SMPP for further information.

The following list includes the outfalls identified in the Master List of Ponds, Detention/Retention Facilities, Stream Channel Outfalls, and Storm Drainage Outfalls (Appendix 5.6 of SMPP) that were inspected during the Year 18 reporting year.

- 1. Algonquin Road over Gravel Pit Creek Str # 056-3166**
- 2. Algonquin Road over Crystal Creek Str # 056-3165**
- 7. Rakow Road over Crystal Creek Str # 056-3157**
8. Lakewood Road over South Branch Kishwaukee Creek
9. Main Street over South Branch Kishwaukee River Str # 056-3018
11. Harmony Road over Tributary to Coon Creek Str # 056-3170
13. Harmony Road over Coon Creek Str # 056-3138
15. Coral Road over Tributary to Riley Creek
18. Marengo Road over Tributary to West Branch Union Creek East Str # 056-3160
19. Marengo Road over East Branch Union Creek East
23. Union Road over Kishwaukee River Str # 056-3026
24. Garden Valley Road over North Branch Kishwaukee River Str # 056-3028
27. Deerpass Road over Kishwaukee River Main Channel Str # 056-3030, and
28. Deerpass Road over Kishwaukee River Auxiliary Channel Str # 056-3029
29. Kishwaukee Valley Road over Mud Creek Str # 056-3203
33. Dunham Road over North Branch Kishwaukee River Str # 056-3179
36. Flat Iron Road over Mokeler Creek Str # 056-3019
38. Lawrence Road over Tributary to Lawrence Creek Str # 056-3012
40. Lawrence Road over Piscasaw Creek Str # 056-3010
41. Lawrence Road over West Branch Piscasaw Creek Str # 056-3020
42. Lawrence Road over West Branch Piscasaw Creek (No STR #)
44. Oak Grove Road over Tributary to Nippersink Creek (headwaters west of Reece Road)
45. Oak Grove Road over Tributary to Nippersink Creek (east of Wright Road)

- 50. Alden Road over Tributary to North Branch Kishwaukee River
- 52. Alden Road over Headwaters of Slough Creek
- 53. Nelson Road over Slough Creek Str # 056-3201**
- 56. Greenwood Road over Nippersink Creek Str # 056-3155
- 62. Wilmot Road over Nippersink Creek Str # 056-3001**
- 65. Chapel Hill Rd over Fox River Str # 056-3134**
- 66. Bay Road over Lily Lake Drain Str # 056-3106
- 67. Bull Valley Road over Tributary to Fox River
- 68. Charles J. Miller Road over Fox River Str # 056-3149**
- 69. Charles J. Miller Road over Fox River Str # 056-3190**
- 78. Johnsbury Roundabout, Tributary to the Fox River
- D. Rakow Road pond on NW corner McHenry Avenue**
- E. Rakow Road pond on NE corner Pyott Road**
- G. Charles J. Miller Road pond west of Green Street**
- L. Walkup Road Pond east side, Outlot A of Patriot Estates**
- T. McHenry County Division of Transportation west pond**
- U. McHenry County Division of Transportation south ponds**
- X. Charles & Raffel Roundabout Dry Detention Basin, SWC at Raffel Rd.
- Y. Charles & Raffel Roundabout Wet Detention Basin, NWC at Raffel Rd.
- Z. River Road Roundabout Wet Detention Basin, NEC at Dowell Rd.

*Inspection sites shown in **BOLD** above are High Priority areas that are monitored annually. The remaining areas are monitored, on a rotating basis, so that all outfalls/ponds/basins are monitored at least once in a five-year cycle.*

4. Construction Site Storm Water Runoff Control

BMPs D.1 Regulatory Control Program, D.2 Erosion and Sediment Control BMPs, and D.4 Site Plan Review Procedures

See Qualifying Local Program – McHenry County Planning and Development Department Stormwater Management Ordinance, Illinois Environmental Protection Agency, United States Army Corps of Engineers, Illinois Urban Manual, and McHenry-Lake County Soil & Water Conservation District. It should be noted that the current McHenry County Stormwater Management Ordinance provisions, Standard Soil Erosion and Sediment Control Notes, and other required guidance documents, along with staff review and approval of Stormwater Management Permits, meet the updated IEPA NPDES requirements. Refer to Sections 3.D.1, 3.D.2 and 3.D.4 of the SMPP for further information.

BMPs D.6 Site Inspection/Enforcement Procedures and D.7 Other Construction Site Runoff Controls

See Qualifying Local Program – McHenry County Stormwater Management Ordinance, Illinois Department of Transportation Construction Memoranda. Refer to Sections 3.D.6 and 3.D.7 of the SMPP for further information.

5. Post-Construction Storm Water Management in New Development and Redevelopment

BMP E.2 Regulatory Control Program

See Qualifying Local Program – McHenry County Stormwater Management Ordinance and Technical Reference Manual, McHenry County Unified Development Ordinance, Illinois Environmental Protection Agency, United States Army Corps of Engineers, Illinois Urban Manual, and McHenry-Lake County Soil & Water Conservation District. Refer to Section 3.E.2 of the SMPP for further information.

BMP E.4 Pre-Construction Review of BMP Designs

See Qualifying Local Program – McHenry County Department of Planning and Development and McHenry County Division of Transportation. Refer to Section 3.E.4 of the SMPP for further information.

BMPs E.3 Long Term O&M Procedures, E.5 Site Inspections During Construction, and E.6 Post-Construction Inspections

See Qualifying Local Program – E.3 McHenry County Access Management Ordinance; E.5 McHenry County Stormwater Management Ordinance and Illinois Department of Transportation Construction Memorandum; E.6 McHenry County Stormwater Management Ordinance and IDOT Standard Specifications for Road & Bridge Construction. Refer to Sections 3.E.3, 3.E.5, & 3.E.6 of the SMPP for further information.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

BMP F.1 Employee Training Program

The goal of this BMP is to identify current practices that contribute to stormwater pollution and implement programs and procedures for County activities that curtail the discharge of pollutants to storm sewer systems.

Year 18: The County will continue in-house training and modify procedures as necessary to prevent the discharge of pollutants to the storm sewer systems from County facilities and rights-of-way.

See Section 3.F.1 of the SMPP for a more comprehensive explanation of County departments and associated training conducted. Please refer to Appendix 5.9 of the SMPP for a detailed list of training attended by the nine major County departments.

BMP F.2 Inspection and Maintenance Program

The goal of this BMP is to complete inspections of outfalls and detention/retention facilities once every Five years.

Year 18: The MCDOT Drainage Engineer will conduct inspections of NPDES outlets on a rotating basis during appropriate times of the year so that 100% of all outfalls are completed every five years.

Please refer to Appendix 5.6 of the SMPP for a master list of ponds, detention/retention facilities, stream channel outfalls, and storm drainage outfalls which fall under the jurisdiction

of the MCDOT and County Facilities as they are identified or added. Of the 107 NPDES locations identified in Appendix 5.6, a total of 43 (40%) were inspected during the Year 18 reporting period. MCDOT staff inspect all high priority NPDES locations annually and inspect remaining locations on a rotating basis so that all locations are inspected every 5 years. Maintenance staff, throughout the County facilities, have been trained to report any illicit discharge contamination; no reports were made within the reporting period.

BMP F.3 Municipal Operations Storm Water Control

See Qualifying Local Program - McHenry County Division of Transportation Policies and Procedures, Street Sweeping Program, Drainageways, Landscape Maintenance, Snow Removal and Ice Control, Salt and Liquid Storage and Handling Policy in conjunction with Groundwater Protection Program, vehicle and equipment operations, pet waste, and animal nuisance control. Refer to Section 3.F.3 of the SMPP for further information.

Year 18: The County will continue to incorporate pollution prevention and good housekeeping practices into day-to-day activities and operations.

In Year 18, the MCDOT continued using the vacor unit that was obtained in Year 13 to clean out outfalls and catch basins. The vacor unit has been operating 3 to 4 days per week clearing an average of 6 to 12 locations per each of those days. In addition, MCDOT's current MS4 involves street sweeping curb and gutter sections and bridge decks 3 to 4 times annually. It should be noted that the current County policies, procedures, and other countywide guidance documents meet the updated IEPA NPDES requirements. Using the current practices, our MS4 will improve the quality of storm water discharges from the County Highway system.

Part C. Information and Data Collection Results, Year 18

IDDE Monitoring and Data Collection, Year 18

Information and data that the MS4 collected as part of its illicit discharge detection and elimination (IDDE) program are summarized below.

The McHenry County Department of Health (MCDH) completes bi-weekly sampling of all licensed public beaches in McHenry County for E.coli from Memorial Day through Labor Day. Any other water quality sampling/monitoring data collected was done by the McHenry County Health Department on an as-needed basis.

A total of 41 potential illicit discharges were investigated by the MCDH. The MCDH performed inspections for all 41 potential illicit discharges in accordance with the procedures outlined in the county's SMPP. The inspections confirmed 28 to be illicit discharges. No illicit discharges into the MCDOT rights-of-way were recorded for this permit period.

Part D. BMP Effectiveness Monitoring and Assessment Results, Year 18

BMP Monitoring and Data Collection for Year 18

Information and data that the MS4 collected as part of its BMP effectiveness monitoring and assessment program are summarized below.

For Year 18, the County continued to implement the changes required under the ILR40 Permit that was reissued on March 1, 2016. The changes include providing a comprehensive list of BMPs/green infrastructure being implemented by the County to reduce pollutant loadings and water quality impacts. The effectiveness of the BMPs/green infrastructure was evaluated and results are provided in a tabular format in Appendix 5.16 of the SMPP.

Part E. Summary of Year 19 Proposed Stormwater Activities

The table below indicates the stormwater management activities that the MS4 plans to undertake during Year 19. Additional information about the stormwater management activities that the MS4 will perform during Year 19 is provided in the section following the table.

Note: X indicates BMPs that will be implemented during Year 19
✓ indicates BMPs that are proposed be changed from Year 18

Year 19 MS4	Best Management Practice (BMP)
A. Public Education and Outreach on Storm Water Impacts	
X	A.1 Distributed Paper Material
X	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Involvement/Participation	
	B.1 Public Panel
X	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
X	B.5 Volunteer Monitoring
X	B.6 Program Involvement
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Sewer Map Preparation
X	C.2 Regulatory Control Program Review Ordinances
X	C.2 Regulatory Control Program Coordinate with MCEMA
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 19 MS4	Best Management Practice (BMP)
D. Construction Site Storm Water Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
	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
X	D.7 Other Construction Site Runoff Controls
E. Post-Construction Storm Water Management in New Development and Redevelopment	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Construction Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Construction Runoff Controls
F. Pollution Prevention/Good Housekeeping for Municipal Operations	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
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

The current version of the Permit Expired on February 28, 2021. A Notice of Intent was submitted to the Illinois EPA Therefore, the MS4 will comply with the March 1, 2021 Permit requirements for Year 19 and subsequent years, until the Permit expires in 2026 at the end of Year 23. The MS4 remains committed to performing activities related to the six MCMs described in the most recent version of the Permit.

Stormwater Management Activities, Year 19

During Year 19, the MS4 plans to continue to perform a variety of stormwater management activities, as described in detail in the MS4's SMPP and in brief below. The MS4's SMPP can be viewed at www.co.mchenry.il.us/county-government/departments-j-z/planning-development/divisions/water-resources/npdes. It is also attached for reference.

1. Public Education and Outreach on Storm Water Impacts

BMP A.1 Distributed Paper Material

The goal of this program will be to make available informational brochures to the public to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 19: The NPDES Coordinators will monitor and refresh supplies of informational materials and brochures available for the public at the MCDOT facility, Planning & Development office, posted on the County's NPDES website and at public meetings for road construction projects. The Department of Health will oversee the availability of their brochures within their department. Monitoring of amount of brochures distributed will continue for BMP effectiveness.

BMP A.2 Speaking Engagement

The goal of this program will be to provide verbal communications that help to increase awareness of impacts of stormwater discharges on water bodies for stakeholders in the community and the steps the public can take to reduce pollutants in stormwater runoff.

Year 19: The NPDES Coordinators will provide presentations, demonstrations or other public speaking engagements to raise awareness about water quality issues associated with stormwater discharges. The speaking engagements may be conducted by members of the Department of Planning and Development, the Health Department or the MCDOT. Depending on required protocols regarding Covid-19, some of these events may have to be done remotely or follow other social distancing protocols. The number of speaking engagements about water resources will be monitored to evaluate BMP effectiveness.

BMP A.3 Public Service Announcement

The goal of this program is to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 19: The County will include one stormwater and/or water quality related article once a year in a conservation organization's newsletter which is distributed countywide, included on the McHenry County NPDES or Water Resources website, or in one of the two main

local newspapers the Daily Herald or Northwest Herald distributed in McHenry County. Partnership with another MS4 permit holder will be considered to accomplish this BMP.

BMP A.4 Community Event

The goal of this program is to increase awareness of impacts from stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 19: As in past years, the County will hold at least one public event focused on water resources including stormwater and/or water quality. Due to the Coronavirus, the event may have to be done remotely or following other social distancing protocols. The number of attendees will be monitored to evaluate effectiveness of the BMP.

BMP A.6 Other Public Education - Website Links

The goal of this program is to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 19: All information and website links will be monitored for accuracy and usage. As new information is published, the website will be updated accordingly.

2. Public Involvement/Participation

BMPs B.2 Educational Volunteer, B.5 Volunteer Monitoring, B.6 Program Involvement

The goal of this program is to provide public involvement opportunities and participation programs that allow input from citizens during the development and implementation of the MS4's permit activities. Refer to Section 3.B of the SMPP for further information.

Year 19: The Adopt-A-Highway program will continue with the oversight of MCDOT. New volunteer groups will be added when the requests are approved by the County.

BMPs B.3 Stakeholder Meeting

The goal of this program is to offer a venue for citizens to provide feedback on the MS4's permit and activities associated with it. Additionally, this BMP would also cover outside organization meetings that the MS4 attends. Refer to Section 3.B of the SMPP for further information.

Year 19: The County will provide a public forum on the County's MS4 program in conjunction with a regularly scheduled meeting. The County will also continue to attend outside organization meetings, as appropriate. Due to the Coronavirus, these meetings and events may have to be done remotely or following other social distancing protocols.

BMP B.7 Other Public Involvement

The goal of this program is to document any other public involvement activities that citizens may assist the MS4 in detecting illicit discharges and drainage issues. Refer to Section 3.B.7 of the SMPP for further information.

Year 19: The County will continue to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage infrastructure. Both MCDOT and the Department of Health will continue to be the primary contacts for this minimum control measure. The County will verify if any areas of the MS4 jurisdiction qualify as an environmental justice area.

3. Illicit Discharge Detection and Elimination

BMP C.1 Sewer Map Preparation

The goal of this program is to maintain a storm sewer and structure map of all drainage and outfalls to receiving streams in the County's rights-of-way for ease in tracking the source of any illicit discharge.

Year 19: The MCDOT will maintain and update, as needed, the master list in SMPP Appendix 5.6, which includes all outfalls and names of receiving waters within the MCDOT rights-of-way and County facility detention/retention ponds. The MCDOT GIS specialist will continue to populate the drainage database with the entire MCDOT drainage system into the CarteGraph Drainage Module and ArcGIS.

BMPs C.2 Regulatory Control Program, C.3 Detection/Elimination Prioritization Plan, C.4 Illicit Discharge Tracing Procedures, and C.5 Illicit Source Removal Procedures

See Qualifying Local Program – McHenry County Planning and Development Department, McHenry County Department of Health, McHenry County Emergency Management Agency, Illinois Environmental Protection Agency, and State Attorney's Office. Refer to Sections 3.C.2, 3.C.3, 3.C.4, and 3.C.5 of the SMPP for further information.

BMP C.7 Visual Dry Weather Screening

The goal of this program is to conduct periodic inspections of all storm sewer outfalls during dry weather conditions for detection of non-storm water discharges and illegal dumping.

Year 19: The MCDOT will conduct periodic inspections of the storm sewer outfalls listed in Appendix 5.6, which includes all outfalls and names of receiving waters within the MCDOT rights-of-way and County facility detention/retention ponds. During appropriate times of the year, the MCDOT will visit all high priority outfalls for annual inspections and the remaining outfalls will be inspected on a rolling basis over five-year intervals.

4. Construction Site Storm Water Runoff Control

BMPs D.1 Regulatory Control Program, D.2 Erosion and Sediment Control BMPs, and D.4 Site Plan Review Procedures

See Qualifying Local Program – McHenry County Planning and Development Department Stormwater Management Ordinance, Illinois Environmental Protection Agency, United States Army Corps of Engineers, Illinois Urban Manual, and McHenry-Lake County Soil & Water Conservation District. Refer to Sections 3.D.1, 3.D.2 and 3.D.4 of the SMPP for further information.

Year 19: The McHenry County Department of Planning and Development, Water Resources Division will ensure that all regulated development within their jurisdictional boundaries acquires the necessary Stormwater Management Permits for construction. Through the permitting process, construction site storm water runoff controls will be reviewed and monitored for compliance with the NPDES permit requirements.

BMPs D.6 Site Inspection/Enforcement Procedures and D.7 Other Construction Site Runoff Controls

See Qualifying Local Program – McHenry County Stormwater Management Ordinance, Illinois Department of Transportation Construction Memoranda. Refer to Sections 3.D.6 and 3.D.7 of the SMPP for further information.

5. Post-Construction Storm Water Management in New Development and Redevelopment

BMP E.2 Regulatory Control Program

See Qualifying Local Program – McHenry County Stormwater Management Ordinance and Technical Reference Manual, McHenry County Unified Development Ordinance, Illinois Environmental Protection Agency, United States Army Corps of Engineers, Illinois Urban Manual, and McHenry-Lake County Soil & Water Conservation District. Refer to Section 3.E.2 of the SMPP for further information.

BMP E.4 Pre-Construction Review of BMP Designs

See Qualifying Local Program – McHenry County Department of Planning and Development and McHenry County Division of Transportation. Refer to Section 3.E.4 of the SMPP for further information.

BMPs E.3 Long Term O&M Procedures, E.5 Site Inspection During Construction, and E.6 Post-Construction Inspections

See Qualifying Local Program – E.3 McHenry County Access Management Ordinance; E.5 McHenry County Stormwater Management Ordinance and Illinois Department of Transportation Construction Memorandum; E.6 McHenry County Stormwater Management Ordinance and IDOT Standard Specifications for Road & Bridge Construction. Refer to Sections 3.E.3, 3.E.5, & 3.E.6 of the SMPP for further information.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

BMP F.1 Employee Training Program

The goal of this BMP is to identify current practices that contribute to stormwater pollution and implement programs and procedures for MCDOT activities that curtail the discharge of pollutants to storm sewer systems.

Year 19: The County will continue in-house training and modify procedures as necessary to prevent the discharge of pollutants to the storm sewer systems from County facilities and rights-of-way.

BMP F.2 Inspection and Maintenance Program

The goal of this BMP is to complete inspections of outfalls and detention/retention facilities once every five years.

Year 19: During the summer months the MCDOT will conduct periodic inspections of the storm sewer outfalls listed in Appendix 5.6, which includes all outfalls and names of receiving waters within the MCDOT rights-of-way and County facility detention/retention ponds. The MCDOT will visit all high priority outfalls for annual inspections and the remaining outfalls will be inspected on a rolling basis during appropriate times of the year over five-year intervals.

BMP F.3 Municipal Operations Storm Water Control

See Qualifying Local Program - McHenry County Division of Transportation Policies and Procedures, Street Sweeping Program, Drainageways, Landscape Maintenance, Snow Removal and Ice Control, Salt and Liquid Storage and Handling Policy in conjunction with Groundwater Protection Program, vehicle and equipment operations, pet waste, and animal nuisance control. Refer to Section 3.F.3 of the SMPP for further information.

Year 19: The County will continue to incorporate pollution prevention and good housekeeping practices into day-to-day activities and operations.

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

Not applicable during Year 18.

Part G. Construction Projects Conducted During Year 18, Proposed for Year 19

Construction projects in Permit Year 18 (March 2020 – February 2021) funded by the McHenry County Division of Transportation (MCDOT) and covered by General Permit No. ILR400264 are listed below:

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
West Solon Bridge (Temporary Repair)	<1 acre	2/2020	10/2020
Bull Valley Road culverts and win wall retrofit	<1 acre	4/2020	10/2020
Miller/Randall Roads box culvert and drainage	<1 acre	4/2020	10/2020
Chapel Hill Road grind/mill/pave north of Bay Road to the Fox River Bridge	2.5 acres	4/2020	11/2020
Bull Valley Road grind/mill/pave from Crystal Lake Road to the Rail Road track	3.4 acres	5/2020	11/2020
Deerpass/River Roads intersection improvement	<1 acre	11/2019	7/2020
River Road grind/mill/pave	10.2 acres	8/2020	11/2020
Main Street grind/mill/pave	4.1 acre	7/2020	8/2020
Harmony Road (2 sections) grind/mill/pave	14.6 acres	7/2020	8/2020
Coral Road grind/mill/pave	13.5 acres	8/2020	10/2020
Lawrence Road extension grind/mill/pave	2.5 acre	8/2020	11/2020
Ramer Road grind/mill/pave	<1 acre	5/2020	11/2020
Harmony Road Bridge repair	<1 acre	10/2020	11/2020
Randall Road	66 acres	6/2018	8/2021
13310 Harmony Road Demolition	<1 acre	11/2020	12/2020
Cary Algonquin thin lift overlay	<15.2 acre	11/2020	12/2020

There have been no incidents of non-compliance associated with any of these projects during this reporting year.

Pending future construction projects to be conducted during Permit Year 19 (March 2021 - February 2022) are listed below:

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
Randall Road	66 acres	6/2018	6/2021
Union Road Bridge	<1 acre	4/2019	4/2021
O'Brien Road Bridge	<1 acre	4/2019	4/2021
Randall Road	66 acres	6/2018	8/2021
Ackman Road grind/mill/pave	13.2 acres	7/2021	10/2021
Vermont Road grind/mill/pave	10.1 acres	7/2021	10/2021
Kishwaukee Valley Road grind/mill/pave	18.2 acres	7/2021	10/2021
Oak Grove and Ramer thin lift overlay	7.2 acres	6/2021	7/2021
Kishwaukee Valley Road bridge replacement	<1 acre	6/2021	11/2021
Bridge Preservation Program – Various Bridges	<1 acre	9/2021	11/2021
Harmony Road culvert cleaning	<1 acre	9/2021	11/2021
Bull Valley Road culvert repair	<1 acre	9/2021	11/2021

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 5: *March 1, 2020 - February 28, 2021*

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 2020, which was distributed to 45,000 residents countywide via 30,000 print copies and 15,000 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 2020, which was distributed to 30,000 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>

present:

Use LESS. Use WISELY.

ENERGY

- Use ENERGY STAR** rated appliances to conserve energy: dishwashers, refrigerators, and laundry machines.
- Stop idling** your vehicle: Idling wastes fuel and money, is unnecessary for most modern vehicles, and contributes to air pollution.
- Use lighting, heating, and cooling modestly**, taking advantage of natural lighting and using a "smart" thermostat. Turn off when not in use.
- Insulate**: particularly in attics and basements where most heat is lost. Use door draft stoppers in winter.
- Bike, walk, or use public transportation** when possible: Reducing single-passenger vehicle miles travelled drastically reduces fuel consumption and greenhouse gas emissions.

WATER

- Use WaterSense** rated fixtures to conserve water: 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 is harming our water resources. Shovel first, then apply salt wisely.
- Protect**: Only rain down the storm drain. Keeping household chemicals, cleaners, and lawn chemicals (pesticides, herbicides, & fertilizers) from being dumped into or washed down storm drains.

RESOURCES

- Move toward reusables**: Mugs, bags, food storage, service ware, toiletries... this list is endless. Specifically, avoid single-use plastics and plastic packaging.
- Utilize organics**: Reduce waste and compost food scraps to return nutrients to the soil rather than send them to a landfill, where they become unusable waste and create methane gas emissions.
- Conscientious purchasing**: Buy only what you need, being conscious of what the product is made of, how far it travelled to reach you, and how long you will use it for.

Does one disposable cup matter? One straw? One bag? The answer is definitely – yes.

The choices of each individual matter. After all, with 7.7 billion people in the world and approximately 535,000 of those people in Kane County, those "ones" add up to be a detriment to the planet... or a lifeline, if we all make one more decision to be conscious of the resources we use and waste we create. That is one LESS plastic bag, or disposable, unnecessary item multiplied by <you decide this number> because of your choices.

If each person in Kane County refused one straw, we could eliminate the equivalent of 76 miles of straws.

-Jessica Mino, Resource Management Coordinator for the Division of Environmental and Water Resources

Kane County Spring Rain Barrel Sale

Details will be available at: www.countyofkane.org

-Division of Environmental and Water Resources webpage

Learn more about going solar at a **Solar Power Hour** near you, expected to begin in April 2020.

Presented by: Kane County, the Citizens Utility Board, and [Midwest Renewable Energy Association](http://MidwestRenewableEnergyAssociation.org).

Details can be found at: growsolar.org/chicagoland/

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, 2020 — February 28, 2021:</p> <ul style="list-style-type: none"> • Fox River Water Trail Project: March 4, 2020, <i>Crystal Lakes Green Drinks</i>; via Zoom • Fox River Water Trail Project: October 17, 2020, <i>Learn from the Experts Class for the Forest Preserve District of Kane County</i>; via Zoom • “Kane County Stormwater Infrastructure” – presentation to Tyler Creek Watershed Coalition [10/21/2020; 26 attendees] • “Kane County Stormwater Infrastructure” – presentation to Village of Pingree Grove at Village Board Meeting via Zoom [12/7/20; 25 attendees] • “Wetlands & Wetland Protection in Kane County” – presentation to Fox River Ecosystem Partnership Virtual Noon Network Meeting [1/13/21, 20 attendees] • Fox River Water Trail Project: March 11, 2021, <i>Fox River Summit, Burlington, WI</i> • 2021 Kane-DuPage Soil & Water Conservation District Soil Erosion & Stormwater Seminar (webinar), presentation on Countywide Stormwater Infrastructure Mapping” [2/18/2021, 266 attendees] • Recycling Presentations that included information on proper Household Hazardous Waste Disposal: Western Avenue School [3/4/20, 68 attendees], Kane County Sheriff’s Office [3/4/20, 50 attendees] , Zoom – Waubensee Online Presentation [4/13/20, 243 attendees], Zoom - Green Drinks McHenry County Env. Defenders [1/13/21, 80 attendees, 325 views on youtube], Zoom - School Recycling Video [2/21/21, 22 attendees].
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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>

	 <p>PSA on Kane County website</p>
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4. BMP A.4—Community Event

MEASURABLE GOALS	<p>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.</p>
RESULTS	<p>Kane County staff participated in the community events listed below during the permit year of March 1, 2020 - February 29, 2021. 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, 2020 – February 29, 2021. 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>

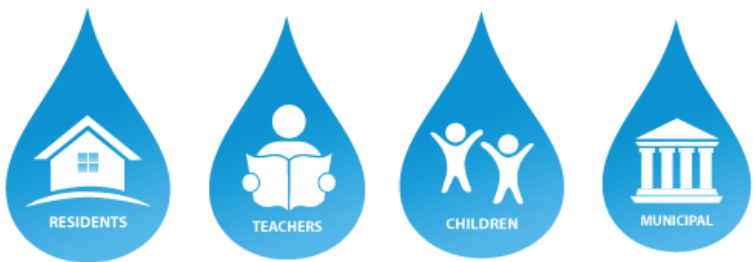
	<ul style="list-style-type: none"> • One Earth Film Festival [3/9/2020] • Fox Valley Sustainability Network Flooding and Green Infrastructure Webinar Virtual [5/6/2020, Kane County staff present on Stormwater Management Ordinance] • Fox Valley Sustainability Network Screening of ‘Microplastic Madness’ and Webinar Discussion [11/18/20] • Kane County Rain Barrel Sale and Pick-Up Day in St. Charles [5/27/20, 32 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> <p>KCDEWR co-sponsored and assisted with the construction of a 40X18 rain garden at the Kane County Farm Bureau office. Excavation/construction was completed with KCDEWR staff on 7/14/20 and plantings were installed at a community planting event organized by the KC Farm Bureau on 7/18/20 in which more than 20 volunteers installed about 400 native plants.</p>  <p>http://www.chicagotribune.com/suburbs/aurora-beacon-news/ct-abn-rain-garden-st-0721-20200720-fgwn2frsczgerdrxqh4anentf-m-story.html</p>
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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.
RESULTS	<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</p>

	<p>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 FY20 funding to Friends of the Fox River (FOFR) for their Classroom Educational Programming and pledges the same amount for FY21.</p>
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6. BMP A.6 – Other Public Education

MEASURABLE GOALS	<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>
RESULTS	<p>During the permit year, the Kane County Department of Environmental & Water Resources updated the “Stormwater Education” pages on the County website.</p> <p style="text-align: center;">Stormwater Education</p> <hr style="width: 50%; margin: auto;"/> <div style="text-align: center;">  <p>RESIDENTS TEACHERS CHILDREN MUNICIPAL</p> </div> <p style="text-align: center;">Stormwater Education page of the Kane County website: www.countyofkane.org/FDER/Pages/EnvironmentalResources/stormwaterEducation.aspx</p> <p>In addition, five water-related articles were published in <i>Kane County Connects</i>:</p> <ul style="list-style-type: none"> • <i>Kane-DuPage Soil and Water Conservation District Holds Feb 11</i>

	<p><i>Election</i> [1/5/21] https://kanecountyconnects.com/2021/01/kane-dupage-soil-and-water-conservation-district-holds-feb-11-election/</p> <ul style="list-style-type: none"> • <i>1 Inch of Water = \$25,000 Damage – Here’s How Kane Residents Can Get FEMA Flood Insurance</i> [3/11/21] https://kanecountyconnects.com/2021/03/1-inch-of-water-25000-damage-heres-how-kane-residents-can-get-fema-flood-insurance/ • <i>Task Force Announces Dec 1-3 State Water Plan Stakeholder Meetings</i> [11/24/20] https://kanecountyconnects.com/2020/11/task-force-announces-dec-1-3-state-water-plan-stakeholder-meetings/ • <i>Tyler Creek Watershed Coalition ‘Zooms’ Oct 21 Membership Meeting, Webinar</i> [10/20/20] https://kanecountyconnects.com/2020/10/tyler-creek-watershed-coalition-zooms-oct-21-membership-meeting-webinar/ • <i>Kane County Celebrates 50 Years of Earth Day!</i> [4/21/20] https://kanecountyconnects.com/2020/04/kane-county-celebrates-50-years-of-earth-day/ <p><i>Kane County Connects</i> reaches 11,918 newsletter subscribers and over 7,372 followers on social media.</p>
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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	<p>During the permit year, Kane County provided stream signs to the following community: Unincorporated Kane County, working with Jelkes Creek Watershed Group to place stream signs along new roadways:</p> <p>Unincorporated Kane County – Provided coordination with local watershed groups and Kane County DOT for the installation of 8 signs total, 2 signs at the Jelkes Creek Watershed boundary, 6 signs at waterway crossings along the Fox River, School Creek and Potawatomi Trail Creek; Signed to be installed in Spring 2021 (next reporting NPDES period)</p>

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
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	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 – [4/22/20, field mtg on BMPs, 9 attendees; 5/20/20 via Zoom; 7/15/20 via Zoom; 8/19/20 via Zoom; 9/16/20 via Zoom; 10/21/20 via Zoom; 11/18/20 via Zoom; 12/16/20 via Zoom; 1/20/21 via Zoom; 2/17/21 via Zoom] • Indian Creek Watershed Plan Steering Committee – meetings held virtually due to COVID-19; [4/9/20, 9/24/20, 9/30/20, 12/16/20,] • Stormwater Management Planning Committee – meetings for Flood Control Commission, Comprehensive Stormwater Plan, and Stormwater Management Ordinance; virtual meeting due to COVID-19 (and also at the Kane County Government Center in Geneva) [7/14/20] <p>All Stormwater Management Planning Committee meetings are open to the public, and agendas and minutes from these meetings are available on the County website: www.countyofkane.org/Pages/CountyBoard/committee.aspx?clD=52</p>

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 [4/30/20, 5/28/20, 6/25/20, 7/23/20, 8/27/20, 9/24/20, 10/22/20, 10/29/20, 11/19/20, 12/17/20, 1/28/21] • Fox River Ecosystem Partnership meetings held via Zoom due to COVID-19 [5/13/20, 7/8/20, 9/6/20, 1/13/21] <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.</p>

	A Joint Funding Agreement between Kane County and the U.S. Geological Survey was signed on 10/1/2020 and passed by Kane County Board on 10/13/2020 to cover the time period through September 30, 2021. Kane County has committed \$56,439 of FY21 funding to support five stream gages and four precipitation gages.
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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.
RESULTS	The Kane County Department of Environmental & Water Resources provided \$500 in December 2020 to the Friends of the Fox River to support stream cleanups throughout the county. As normal group stream cleanups could not be done in 2020, FOFR coordinated “Alternative Spring Clean-ups” through Facebook to encourage residents to do their own personal or family unit clean ups and post their results on the FOFR Facebook page. FOFR reported this activity was very successful with numerous individuals and families in the Fox River Watershed participating. In September, FOFR coordinated their 2 nd Annual “It’s Our Fox River Day” and reported that there were 4 clean-up sites in Elgin that had a total of more than 100 participants joining in to clean up the banks of the Fox River.

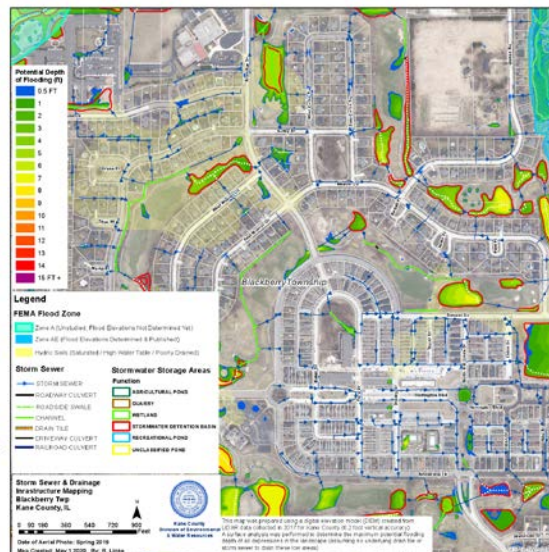
C. ILLICIT DISCHARGE DETECTION AND ELIMINATION

1. BMP C.1—Storm Sewer Map Preparation

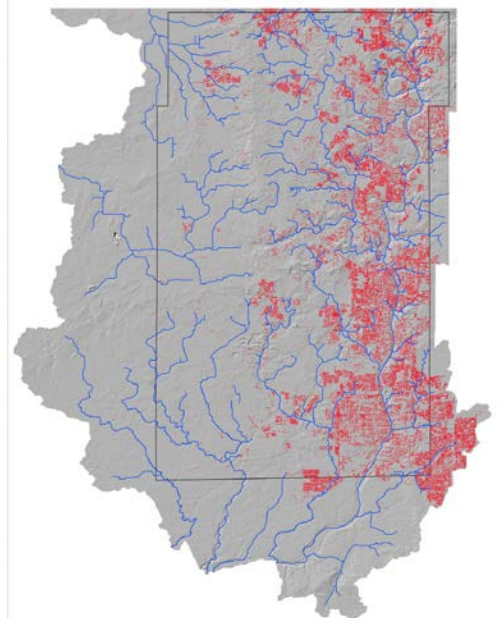
MEASURABLE GOALS	Kane County will update its storm sewer mapping in GIS to include the location and size of all County-owned stormwater outfalls to receiving streams in the urbanized area, and will distribute up-to-date mapping and information across County departments including the Facilities, Transportation, and Emergency Management departments. Update the stormwater system map layer on an annual basis to incorporate new stormwater outfalls identified.
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RESULTS

During the permit year, the KCDEWR made significant 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 from 313 miles of storm sewers, culverts, and drain tiles in the unincorporated areas to now include more than 2,300 miles of drainage system mapping across the entire county. The storm sewer / culvert segments mapped to date (67,000+ 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 preliminary, static PDF maps showing the complete drainage system network are available to all municipal staff persons in the county at: <https://www.countyofkane.org/FDER/Pages/County-Drainage-Maps.aspx> Updates will be made to the map layers and static maps at least twice a year as new data is provided to the County. It is the goal of the County to make the maps available to the general public during the next reporting period.



Sample of Kane County's Storm Sewer Map



Map of countywide drainage infrastructure GIS layer in Feb 2021

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	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 investigated 29 potential septic failure complaints. 21 of the 29 were resolved during the reporting period, with 8 septic failures still open and awaiting resolution.

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 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 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, 66 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.

	<p>The Kane County Department of Environmental & Water Resources continued the process of revising the Stormwater Management Ordinance that began in 2017 by hosting monthly Stormwater Management Planning Committee meetings (see B.3—Stakeholder Meeting). The formal review process was completed in 2019, including review by government agencies and public hearings. The Stormwater Management Ordinance Updates were formally adopted on 6/1/19.</p>
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E. POST-CONSTRUCTION RUNOFF CONTROL

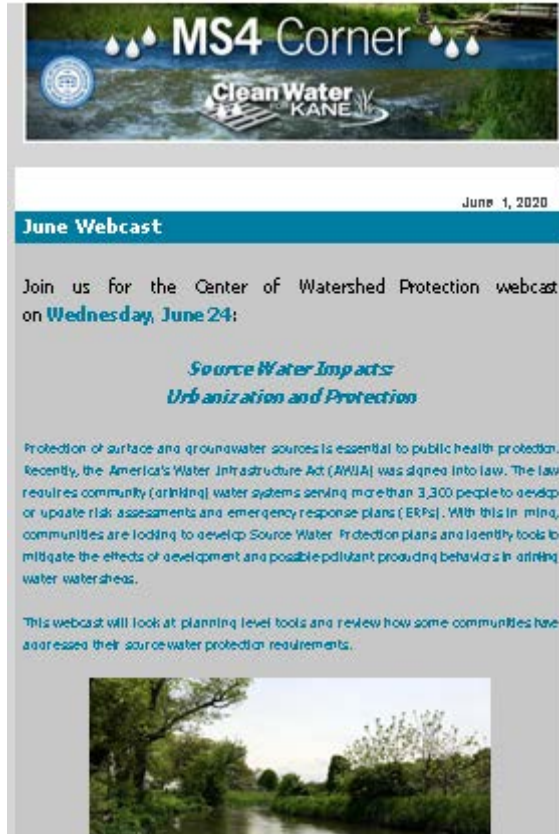
1. BMP E.2—Regulatory Control Program

MEASURABLE GOALS	<p>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.</p>
RESULTS	<p>During the reporting period, 42 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.</p> <p>The Kane County Department of Environmental & Water Resources continued the process of revising the Stormwater Management Ordinance that began in 2017 by hosting monthly Stormwater Management Planning Committee meetings (see B.3—Stakeholder Meeting). The formal review process was completed in 2019, including review by government agencies and public hearings. The Stormwater Management Ordinance Updates were formally adopted on 6/1/19.</p>

F. POLLUTION PREVENTION/GOOD HOUSEKEEPING

1. BMP F.1—Employee Training Program

MEASURABLE GOALS	<p>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</p>
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	<p>minimum of a quarterly basis. Host stormwater informational webcasts as relevant, tracking the number of trainings provided and the number of attendees.</p>
RESULTS	<p>During the permit year, the Kane County Department of Environmental & Water Resources regularly updated the MS4 contact list. Five issues of the “MS4 Corner” newsletter were created and distributed to the contact list [Distributed on: 9/1/20, 8/3/20, 7/1/20, 6/18/20, and 6/1/20].</p>  <p style="text-align: center;"><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>Small Scale BMPs</i> [5/20/20; 5 attendees, including 1 Kane County staff] • <i>Water Quality Issues</i> [8/12/20; 3 attendees, including 1 Kane County staff] • <i>IDDE – New Technologies and new techniques</i> [9/16/20] <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 [3/11/20-3/12/20; 3 staff attended] • Michigan Floodplain & Stormwater Conference in Ann Arbor, Michigan [3/4/20-3/6/20; Attended by Anne Wilford] • Association of State Floodplain Managers National Conference (held virtually)

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 2020, 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 250 catch basins on Stearns Road and Randall Road north of Stearns Road.</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

4. BMP F.5—Flood Management/Assessment Guidelines

MEASURABLE GOALS	Kane County will continue to implement the Kane County Hazard Mitigation Program. 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.</p> <p>During the permit year, Kane County hosted a Hazard Mitigation Committee meetings on:</p> <ul style="list-style-type: none">• October 27, 2020 – Committee’s regular October Meeting (note the April 2020 Meeting was cancelled due to COVID)• November 6, 12, 13, 19 – Committee meetings to work on the Updating the Plan (held virtually due to COVID-19)• February 5 and 10 –Public and stake holder meeting to discuss the purpose and the planning process for Updating the Plan (held virtually due to COVID-19) <p>In addition, the Kane County Department of Environmental & Water Resources completed 8 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	<p>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 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 winter road maintenance training at the Brewster Creek Forest Preserve in St. Charles that was open to all MS4</p>

communities in the region.

- Virtual Deicing Workshops were sponsored by Kane County and other local counties were held on-line through the Conservation Foundation on 10/1/20 and 10/14/20 with 7 registrants from Kane County.



This year the Deicing Workshops are coming to you in a webinar format on the following dates. The two Roads Webinars will have the same content.

Oct. 1, 2020 Public Roads Deicing Workshop

Oct. 8, 2020 Parking Lots & Sidewalks Deicing Workshop

Oct. 14, 2020 Public Roads Deicing Workshop

All Webinars will be held from 8:00 am—12:00 pm

Registration information is provided on the next page.

Contact Nancy Cinati 630-428-4500 X120 with questions or to register.
Fax or email your registration to 630-428-4599 or ncinati@theconservationfoundation.org.

Hosted by the DuPage River Salt Creek Workgroup, Lower Des Plaines Watershed Group,
Lower DuPage River Watershed Coalition, and The Conservation Foundation

Sponsored by Kane County and others



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 P/CP 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 & Tood 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	Stearns Rd Det 09-0009	\$100,000	Wet detention	7.25	40%		60%	0.53	3.8	68%	2.6	\$38,274
Kane county	Stearns Rd Det 09-0010	\$250,000	Wet detention	17.8	40%		60%	0.53	9.4	68%	6.4	\$38,973
Kane county	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	Stearns Rd Det 09-0012	\$100,000	Wet detention	6.6	30%		70%	0.46	3.0	68%	2.0	\$48,887
Kane county	Stearns Rd Det 09-0013	\$150,000	Wet detention	11.4	40%		60%	0.53	6.0	68%	4.1	\$36,511
Kane county	Stearns Rd Det 09-0014	\$100,000	Wet detention	22.6	40%		60%	0.53	12.0	68%	8.1	\$12,278

An electronic copy of this inventory is available upon request. One new structural BMP was constructed on Kane County government-owned property during this reporting period (Kane County Multi-use Facility).

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 1, 2020—February 28, 2021:

**List of Kane Co DOT Transportation Projects Under Construction or Completed
between Mar 2020 -Feb 2021**

Section Number	Project Name
19-00502-01-BT	Kirk Road MUP Improvement
19-00517-00-GR	2020 Guardrail Improvement Project
20-00000-03-GM	2020 Pavement Preservation Patrol
20-00000-04-GM	2020 HMA Crack Sealing Patrol
20-00000-05-GM	2020 Paint Pavement Marking Patrol
20-00000-06-GM	2020 Urethane Pavement Marking Patrol
08-00383-00-BR	Peplow ovr Trib to Virgil Ditch #3
13-00215-30-PV	Longmeadow Parkway IL Rte 25 to IL Rte 62 Section D
18-00215-22-CH	Longmeadow Parkway IL Rte 25 Section C3
18-00495-00-CH	Peck and Britcher Intersection Improvement
14-00437-00-BR	Silver Glen over Virgil Ditch #2
14-00437-00-BR	Burlington over Virgil Ditch #3
14-00441-00-CH	Randall Rd HSIP3
11-00201-04-CH	Kirk Rd and Fabyan Intersection Improvement
15-00342-00-CH	Kirk and Pine- Add Right turn lane
08-00112-00-CH	Huntley and Galligan Intersection Improvement
18-00504-00-BR	Randall over Mill Creek
14-00214-28-CH	Randall Rd at Stearns Rd Intersection Improvement
16-00115-02-BR	Silver Glen ovr Otter Creek
18-00498-00-BR	Scott/Hughes/ Granart Bridge Rehab
19-00521-00-RS	2020 Resurfacing
20-00521-01-RS	2020 Bowes Rd Resurfacing
19-00215-24-PV	LMP C2 Tree Removal
16-00176-03-BR	Randall Over Tyler Creek Repairs
14-00446-00-CH	Randall at Weld Intersection Improvement
16-00477-00-SP	Kirk Rd-56 to Cherry HSIP
17-00479-00-BR	Fabyan Bridge over Fox River Rehab
13-00215-20-BR	Longmeadow Parkway- IL Rte 31 to Sandbloom Rd- Section C-1
18-00497-00-CH	Burlington at Bolcum Intersection Improvement

Part F. Construction Projects Conducted During Year 18

[illegible]