



# 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, 2022 To March, 2023

Permit No. ILR40 0368

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

Name: Village of Lake in the Hills Mailing Address 1: 600 Harvest Gate  
Mailing Address 2: \_\_\_\_\_ County: McHenry  
City: Lake in the Hills State: IL Zip: 60156 Telephone: 847-960-7506  
Contact Person: Ryan McDillon Email Address: rmcdillon@LITH.org  
(Person responsible for Annual Report)

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

Grafton Township McHenry County  
Algonquin Township

#### 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.

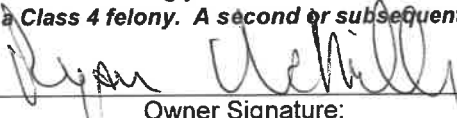
C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

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:

Ryan McDillon

Printed Name:

5-23-23  
\_\_\_\_\_  
Date:

Public Works Director

Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto: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

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

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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 17	Year 18	Year 19	Year 20	Year 21	
<b>MS4</b>					
<b>A. Public Education and Outreach</b>					
X	X	X	X	X	A.1 Distributed Paper Material
					A.2 Speaking Engagement
					A.3 Public Service Announcement
					A.4 Community Event
					A.5 Classroom Education Material
					A.6 Other Public Education
<b>B. Public Participation/Involvement</b>					
					B.1 Public Panel
					B.2 Educational Volunteer
					B.3 Stakeholder Meeting
X	X	X	X	X	B.4 Public Hearing
					B.5 Volunteer Monitoring
					B.6 Program Coordination
					B.7 Other Public Involvement
<b>C. Illicit Discharge Detection and Elimination</b>					
X	X	X	X	X	C.1 Storm Sewer Map Preparation
X	X	X	X	X	C.2 Regulatory Control Program
X	X	X	X	X	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
					C.6 Program Evaluation and Assessment
X	X	X	X	X	C.7 Visual Dry Weather Screening
X	X	X	X	X	C.8 Pollutant Field Testing
					C.9 Public Notification
					C.10 Other Illicit Discharge Controls

Year 17	Year 18	Year 19	Year 20	Year 21	
<b>MS4</b>					
<b>D. Construction Site Runoff Control</b>					
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
X	X	X	X	X	D.5 Public Information Handling Procedures
X	X	X	X	X	D.6 Site Inspection/Enforcement Procedures
					D.7 Other Construction Site Runoff Controls
<b>E. Post-Construction Runoff Control</b>					
					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
X	X	X	X	X	E.7 Other Post-Const Runoff Controls
<b>F. Pollution Prevention/Good Housekeeping</b>					
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
X	X	X	X	X	F.4 Municipal Operations Waste Disposal
					F.5 Flood Management/Assess Guidelines
					F.6 Other Municipal Operations Controls

## **Part B. Status of Compliance with Permit Conditions**

The status of Best Management Practices (BMPs) and measurable goals performed in Year 20 are described below.

### **1) PUBLIC EDUCATION AND OUTREACH**

The Village performs a variety of activities that meet the requirements of the Public Education and Outreach minimum control measure. These activities include BMP A.1. A brief description and status of the BMP are provided below.

#### **BMP No. A.1 – Distibuted Paper Material**

**Brief Description of BMP:** The Village of Lake in the Hills 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 of Lake in the Hills has a website regarding stormwater protection.

**Measurable Goal:** Publish articles and distribute brochures.

### **2) PUBLIC PARTICIPATION AND INVOLVEMENT**

The Village performs a variety of activities that meet the requirements of the Public Participation and Involvement minimum control measure. These activities include BMP B.4. A brief description and status of the BMP are provided below.

#### **BMP No. B.4 – Public Hearing**

**Brief Description of BMP:** The Village of Lake in the Hills will conduct a public meeting or public hearing on its proposed stormwater management plan.

**Measurable Goal:** Discuss NPDES Phase II with municipal or governing board. Present summary of ongoing program implementation at least once annually at public meeting or event.

### **3) ILLICIT DISCHARGE DETECTION AND ELIMINATION**

The Village performs a variety of activities that meet the requirements of the Illicit Discharge Detection and Elimination minimum control measure. These activities include BMPs C.1, C.2, C.3, C.4, C.5, C.7, and C.8. A brief description and status of the BMPs are provided below.

#### **BMP No. C.1 – Storm Sewer Map Preparation**

**Brief Description of BMP:** The Village maintains an updated storm sewer system map. The map shows the location of all the outfalls within the Village and identifies the name of all waters that receive discharges from those outfalls.

**Measurable Goal:** The Village has incorporated outfall locations and designations as part of its storm sewer atlas. The Village will make any necessary revisions annually if additional outfalls are located.

**BMP No. C.2 – Regulatory Control Program**

**Brief Description of BMP:** The Village has adopted an ordinance to protect public waters from non-stormwater discharges. The Village will continue to enforce the ordinance.

**Measurable Goal:** Annually review inspections from previous years to evaluate the effectiveness of the program and update the ordinance.

**BMP No. C.3 – Detection/Elimination Prioritization Plan**

**Brief Description of BMP:** The Village will use Dry Weather Screening to identify illicit discharges. The Storm Sewer Atlas (including outfall designations) will aid in identifying areas at risk for illicit discharges. Outlets shown on the atlas will be prioritized and visited at least once every 10 years.

**Measurable Goal:** Screen 10% of all outfalls and review the information that is collected from the inspection data sheets. Industrial areas will be areas with a higher priority for inspections.

**BMP No. C.4 – Illicit Discharge Tracing Procedures**

**Brief Description of BMP:** The Village will train and educate employees in relevant positions to perform activities such as illicit discharge tracing procedures and visual dry weather stormwater outfall screening.

**Measurable Goal:** The Village will annually trace and remove all illicit discharges detected by resident reporting or storm sewer maintenance.

**BMP No. C.5 – Illicit Discharge Removal Procedures**

**Brief Description of BMP:** The Village will use enforcement to obtain compliance with the Stormwater Protection Ordinance (IDDE ordinance). Enforcement actions to be used include writing letters to request voluntary compliance in disconnection of illicit connections and/or stopping illicit discharges, requiring owners to provide evidence of compliance, or requiring owners to provide additional site BMPs.

**Measurable Goal:** Review and conduct Illicit Source Removal Procedures. Identified non-compliance owners shall receive violation notice or letter for disconnection.

### **BMP No. C.7 – Visual Dry Weather Screening**

**Brief Description of BMP:** The Village performs yearly visual dry weather screening to identify illicit discharges. A standardized form will be used to keep a record of the screenings as they take place.

**Measurable Goal:** Perform yearly visual dry weather outfall inspections of at least 10% of total outfalls.

### **BMP No. C.8 – Pollutant Field Testing**

**Brief Description of BMP:** The Village will annually perform field sampling and testing of outfalls.

**Measurable Goal:** Perform yearly field sampling and testing of outfalls.

## **4) CONSTRUCTION SITE RUNOFF CONTROL**

The Village enforces the McHenry County Stormwater Management Ordinance (County SMO) and became a certified community in Year 12. The Village and McHenry County both have ordinances and activities in place that meet the requirements of the Construction Site Runoff Control minimum control measure. These activities include BMPs D.1, D.2, D.3, D.4, D.5, and D.6. A brief description and status of the BMPs are provided below.

### **BMP No. D.1 – Regulatory Control Program**

**Brief Description of BMP:** The Village of Lake in the Hills adopted a Stormwater Management Ordinance (Village SMO) that establishes the minimum stormwater management requirements for development in their community. The Village SMO, which is enforced by the Village, establishes standards for construction site runoff control. The enforcement of the Village SMO implements BMPs under BMP numbers D.1, D.2, D.3, D.4, D.5, and D.6. The Village will continue enforce the Village SMO yearly.

**Measurable Goal:** Annually review the Village SMO and make changes if new requirements have been developed.

### **BMP No. D.2 – Erosion and Sediment Control BMPs**

**Brief Description of BMP:** The Village of Lake in the Hills adopted a Stormwater Management Ordinance (Village SMO) that establishes the minimum stormwater management requirements for development in their community. The Village SMO, which is enforced by the Village, establishes standards for construction site runoff control. The enforcement of the Village SMO implements BMPs under BMP numbers D.1, D.2, D.3, D.4, D.5, and D.6. The Village will continue enforce the Village SMO yearly.

**Measurable Goal:** Conduct site inspections of developments to ensure BMPs are being followed.

**BMP No. D.3 – Other Waste Control Programs**

**Brief Description of BMP:** Continue to enforce the Village SMO yearly as new development occurs.

**Measurable Goal:** Enforce the Village SMO by conducting site visits to construction projects to ensure that proper measures are in place to control construction waste.

**BMP No. D.4 – Site Plan Review Procedures**

**Brief Description of BMP:** Complete draft review procedures of development activities as they become available.

**Measurable Goal:** Review 100% of pre-construction site plans to ensure consistency with local sediment and erosion control requirements.

**BMP No. D.5 – Public Information Handling Procedures**

**Brief Description of BMP:** Track number of complaints received and processed related to soil erosion and sediment control on a yearly basis.

**Measurable Goal:** The Village will utilize a tracking system for handling received complaints related to soil erosion and sediment control.

**BMP No. D.6 – Site Inspection/Enforcement Procedures**

**Brief Description of BMP:** Follow procedures for the orderly review of development activities as they become available.

**Measurable Goal:** Enforce the Village SMO which contains inspection/enforcement procedures for development activities.

**5) POST-CONSTRUCTION RUNOFF CONTROL**

The Village and McHenry County both have ordinances and activities in place that meet the requirements of the Post-Construction Runoff Control minimum control measure. These activities include BMPs E.2, E.3, E.4, E.5, E.6, and E.7. A brief description and status of the BMPs are provided below.

**BMP No. E.2 – Regulatory Control Program**

**Brief Description of BMP:** Enforce the Village SMO, participate in Village SMO revision process, and adopt amendments annually.

**Measurable Goal:** Enforce the Village SMO, participate in Village SMO revision process, and adopt amendments.

**BMP No. E.3 – Long Term O&M Procedures**

**Brief Description of BMP:** The Village will enforce the Village SMO. The Village keeps an inventory of existing and new detention basins and structural runoff controls.

**Measurable Goal:** The Village will enforce the Village SMO and conduct annual inspections.

**BMP No. E.4 – Pre-Construction Review of BMP Designs**

**Brief Description of BMP:** Enforce the Village SMO. Continue the process of conducting inventory of structural runoff controls annually.

**Measurable Goal:** The Village will enforce the Village SMO and conduct screenings of structural runoff controls.

**BMP No. E.5 – Site Inspections During Construction**

**Brief Description of BMP:** The Village performs site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

**Measurable Goal:** The Village's engineering firm visits construction sites daily during the construction process. If deficiencies are noticed the construction contractor is notified and repairs are made immediately.

**BMP No. E.6 – Post Construction Inspections**

**Brief Description of BMP:** The Village follows the McHenry County SMO with respect to post-construction inspections.

**Measurable Goal:** Continue to enforce the County SMO through annual reviews and inspections.

**BMP No. E.7 – Other Post-Construction Runoff Controls**

**Brief Description of BMP:** The Village follows the McHenry County SMO with respect to post-construction inspections.

**Measurable Goal:** Review Volunteer Lake Monitoring Program (VLMP) lake monitoring data to evaluate effectiveness of the program.



## 6) POLLUTION PREVENTION AND GOOD HOUSEKEEPING

The Village performs a number of activities that meet the requirements of the Pollution Control and Good Housekeeping minimum control measure. These activities include BMPs F.1, F.2, F.3, and F.4. A brief description and status of the BMPs are provided below.

### **BMP No. F.1 – Employee Training Program**

**Brief Description of BMP:** The Village conducts annual stormwater pollution prevention training for Village employees to reduce or eliminate the discharge of pollutants from Village-owned facilities to the storm sewer system.

**Measurable Goal:** Review and conduct pollution prevention plan for municipal activities. Conduct yearly municipal employee training for employees in relevant positions that will implement or utilize BMPs. Update training program as needed.

### **BMP No. F.2 - Inspection and Maintenance Program**

**Brief Description of BMP:** The Village has an inspection and maintenance program in place to evaluate and maintain the municipal stormwater facilities.

**Measurable Goal:** Continue to perform municipal operations in conformance with a Pollution Prevention Plan, a schedule for regular maintenance activities and Spill Prevention and Control Procedures.

### **BMP No. F.3 – Municipal Operations Storm Water Control**

**Brief Description of BMP:** The Village has procedures and policies to prevent the discharge of pollutants to the MS4 from municipal operations. These policies include dewatering procedures, pumping activities and waste disposal.

**Measurable Goal:** Continue and improve the operation and maintenance program.

### **BMP No. F.4 – Municipal Operations Waste Control**

**Brief Description of BMP:** The Village follows the McHenry County SMO and has many policies that reduce and/or control municipal wastes.

**Measurable Goal:** The Village will perform municipal operations in conformance with a Pollution Prevention Plan.

## **Part C. Information and Data Collection Results**

Information related to the Village's Monitoring Plan is available upon request.

## Part D. Summary of Year 21 Stormwater Activities

The table shown below summarizes the BMPs committed to for Year 21. Specific BMPs and measurable goals for Year 21 program development activities are presented in the sections following the table.

**Note: X indicates BMPs committed to for Year 21.**

Year 21	
MS4	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
	A.4 Community Event
	A.5 Classroom Education Material
	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
	B.1 Public Panel
	B.2 Educational Volunteer
	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
	B.7 Other Public Involvement
<b>C. Illicit Discharge Detection and Elimination</b>	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
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
X	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 21	
MS4	
<b>D. Construction Site Runoff Control</b>	
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
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
<b>E. Post-Construction Runoff Control</b>	
	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
X	E.7 Other Post-Const Runoff Controls
<b>F. Pollution Prevention/Good Housekeeping</b>	
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
	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 as described below.

### **BMP No. A.1 – Distibuted Paper Material**

**Brief Description of BMP:** The Village of Lake in the Hills 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 of Lake in the Hills has a website regarding stormwater protection.

## **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.4 as described below.

### **BMP No. B.4 – Public Hearing**

**Brief Description of BMP:** The Village of Lake in the Hills will conduct a public meeting or public hearing on its proposed stormwater management plan.

## **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.3, C.4, C.5, C.7, and C.8 as described below.

### **BMP No. C.1 – Storm Sewer Map Preparation**

**Brief Description of BMP:** The Village maintains an updated storm sewer system map. The map shows the location of all the outfalls within the Village and identifies the name of all waters that receive discharges from those outfalls.

### **BMP No. C.2 – Regulatory Control Program**

**Brief Description of BMP:** The Village has adopted an ordinance to protect public waters from non-stormwater discharges. The Village will continue to enforce the ordinance.

### **BMP No. C.3 – Detection/Elimination Prioritization Plan**

**Brief Description of BMP:** The Village will use Dry Weather Screening to identify illicit discharges. The Storm Sewer Atlas (including outfall designations) will aid in identifying areas at risk for illicit discharges. Outlets shown on the atlas will be prioritized and visited at least once every ten (10) years.

**BMP No. C.4 – Illicit Discharge Tracing Procedures**

**Brief Description of BMP:** The Village will train and educate employees in relevant positions to perform activities such as illicit discharge tracing procedures and visual dry weather stormwater outfall screening.

**BMP No. C.5 – Illicit Discharge Removal Procedures**

**Brief Description of BMP:** The Village will use enforcement to obtain compliance with the Stormwater Protection Ordinance (IDDE ordinance). Enforcement actions to be used include writing letters to request voluntary compliance in disconnection of illicit connections and/or stopping illicit discharges, requiring owners to provide evidence of compliance, or requiring owners to provide additional site BMPs.

**BMP No. C.7 – Visual Dry Weather Screening**

**Brief Description of BMP:** The Village performs yearly visual dry weather screening to identify illicit discharges. A standardized form will be used to keep a record of the screenings as they take place.

**BMP No. C.8 – Pollutant Field Testing**

**Brief Description of BMP:** The Village will annually perform field sampling and testing of outfalls.

**4. Construction Site Runoff Control**

The Village will perform activities and services related to the Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP numbers D.1, D.2, D.3, D.4, D.5, and D.6 as described below.

**BMP No. D.1 – Regulatory Control Program**

**Brief Description of BMP:** The Village of Lake in the Hills adopted a Stormwater Management Ordinance (Village SMO) that establishes the minimum stormwater management requirements for development in their community. The Village SMO, which is enforced by the Village, establishes standards for construction site runoff control. The enforcement of the Village SMO implements BMPs under BMP numbers D.1, D.2, D.3, D.4, D.5, and D.6. The Village will continue enforce the Village SMO yearly.

**BMP No. D.2 – Erosion and Sediment Control BMPs**

**Brief Description of BMP:** The Village of Lake in the Hills adopted a Stormwater Management Ordinance (Village SMO) that establishes the minimum stormwater management requirements for development in their community. The Village SMO, which is enforced by the Village, establishes standards for construction site runoff control. The enforcement of the Village SMO implements BMPs under BMP numbers D.1, D.2, D.3, D.4, D.5, and D.6. The Village will continue enforce the Village SMO yearly.

**BMP No. D.3 – Other Waste Control Programs**

**Brief Description of BMP:** Continue to enforce the Village SMO yearly as new development occurs.

**BMP No. D.4 – Site Plan Review Procedures**

**Brief Description of BMP:** Complete draft review procedures of development activities as they become available.

**BMP No. D.5 – Public Information Handling Procedures**

**Brief Description of BMP:** Track number of complaints received and processed related to soil erosion and sediment control on a yearly basis.

**BMP No. D.6 – Site Inspection/Enforcement Procedures**

**Brief Description of BMP:** Follow procedures for the orderly review of development activities as they become available.

**5. Post-Construction Runoff Control**

The Village will perform activities and services related to the Post-Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP number E.2, E.3, E.4, E.5, E.6, and E.7 as described below.

**BMP No. E.2 – Regulatory Control Program**

**Brief Description of BMP:** Enforce the Village SMO, participate in Village SMO revision process, and adopt amendments annually.

**BMP No. E.3 – Long Term O&M Procedures**

**Brief Description of BMP:** The Village will enforce the Village SMO. The Village keeps an inventory of existing and new detention basins and structural runoff controls.

**BMP No. E.4 – Pre-Construction Review of BMP Designs**

**Brief Description of BMP:** Enforce the Village SMO. Continue the process of conducting inventory of structural runoff controls annually.

**BMP No. E.5 – Site Inspections During Construction**

**Brief Description of BMP:** The Village performs site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

**BMP No. E.6 – Post Construction Inspections**

**Brief Description of BMP:** The Village follows the McHenry County SMO with respect to post-construction inspections.

**BMP No. E.7 – Other Post-Construction Runoff Controls**

**Brief Description of BMP:** The Village follows the McHenry County SMO with respect to post-construction inspections.

**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, F.3, and F.4 as described below.

**BMP No. F.1 – Employee Training Program**

**Brief Description of BMP:** The Village conducts annual stormwater pollution prevention training for Village employees to reduce or eliminate the discharge of pollutants from Village owned facilities to the storm sewer system.

**BMP No. F.2 - Inspection and Maintenance Program**

**Brief Description of BMP:** The Village has an inspection and maintenance program in place to evaluate and maintain the municipal stormwater facilities.

**BMP No. F.3 – Municipal Operations Storm Water Control**

**Brief Description of BMP:** The Village has procedures and policies to prevent the discharge of pollutants to the MS4 from municipal operations. These policies include dewatering procedures, pumping activities and waste disposal.

**BMP No. F.4 – Municipal Operations Waste Control**

**Brief Description of BMP:** The Village follows the McHenry County SMO and has many policies that reduce and/or control municipal wastes.



## **Part E. Notice of Qualifying Local Program**

McHenry County serves as a Qualifying Local Program (QLP) for the Village of Lake in the Hills.

Part E of the Annual Report details the activities performed by the Qualifying Local Program (QLP) and is outlined in the attached Annual Report.

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

**McHenry County – Permit No. ILR400264  
Permit Year 20: March 2022 through February 2023**



**MCH**  
MCHENRY COUNTY · IL

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## Part A. Changes to Best Management Practices, Year 20

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 20

Year 20 MS4	Best Management Practice (BMP)
<b>A. Public Education and Outreach on Storm Water Impacts</b>	
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>B. Public Involvement/Participation</b>	
	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
<b>C. Illicit Discharge Detection and Elimination</b>	
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 20 MS4	Best Management Practice (BMP)
<b>D. Construction Site Storm Water Runoff Control</b>	
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
<b>E. Post-Construction Storm Water Management in New Development and Redevelopment</b>	
	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
<b>F. Pollution Prevention/Good Housekeeping for Municipal Operations</b>	
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 20.

The current version of the Permit was issued on February 10, 2016. A Notice of Intent for renewal of the General Permit was submitted to the IEPA on February 25, 2022, but McHenry County had not received documentation back from the IEPA at the time this report was completed. Therefore, the current MS4 complies with the March 1, 2016 Permit requirements for Year 15 and subsequent years including the current Year 20. 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 20**

### **Stormwater Management Activities, Year 20**

The stormwater management activities that the MS4 performed during Year 20, including the MS4's BMPs and measurable 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 20, 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](http://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**

The McHenry County Division of Transportation (MCDOT) has long been a leader in the use of Sensible Salting practices for winter snow and ice management that help maintain safe roads while reducing salt use and water pollution. MCDOT has significantly reduced, and continues to further reduce, its salt usage during winter by implementing new innovative pre-wetting and liquid brine mixtures for “anti icing (applying brine before a storm)” and “deicing (applying brine during/after a storm)” in conjunction with equipment calibration and other Sensible Salting practices. In Year 19, MCDOT installed new equipment to produce brine mixtures and installed a new tank farm to store the liquids. The tank farm is located in a secondary containment system to prevent releases of pollutants in the unlikely event of a leak.

In Year 20, MCDOT continued to expand and enhance its Sensible Salting practices. MCDOT has converted four of the snow plow routes on County roads into “liquid-only” routes that only use liquid brine instead of solid “granular” material (except during weather conditions such as icing events that are not compatible with the use of liquids). The use of liquids instead of solid rock salt or other granular deicers can result in significantly less chloride being released into the environment while effectively maintaining public safety on roadways. Data from the liquid-only routes such as performance, chloride reduction, and cost savings are being monitored and recorded. MCDOT estimates that each liquid-only route reduces salt use by 38% over conventional application practices and saves approximately \$36,000 per route annually. The collected data is being used to help promote the use of liquids by municipal transportation departments in the region and for other educational outreach and training that promote Sensible Salting practices.

In Year 20, MCDOT and the Department of Planning and Development resumed hosting their Annual Sensible Salting Workshops. These workshops were held annually from 2009 to 2019 but had to be cancelled in 2020 and 2021 due to Covid-19. The 2022 Workshops were held on November 2 and 3 and provided Sensible Salting training for approximately 150 individuals.

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

The McHenry County Department of Planning and Development (P&D) and a Task Force of diverse stakeholders completed a Water Resources Action Plan (WRAP) for the county during Year 18. 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 since then it has been used to raise public awareness and influence municipal public policy about water pollution. In addition to the use of the WRAP as an educational tool, County staff provided a number of presentations about the WRAP and water quality issues to municipal groups, clubs, and other organizations during Year 20.

In Year 20, the Annual McHenry County Water Forum was held in person. The Water Forum is a large annual event hosted by the P&D and the Environmental Defenders of McHenry County to educate the public and elected officials about water resource issues. Each year's Water Forum focuses on a specific water resource topic. Due to Covid-19, the event was cancelled in 2020 and held online in 2021. The topic of the 2022 Water Forum was water quality and over 100 people attended this in-person event. The entire event was filmed by McHenry County Communications staff and the recording has been posted to the County's websites as well as other organizations. At the time of writing this report, the video had over 100 views on the County YouTube page. Videos of past events and presentations are available online where they continue to reach and educate a growing number of people [www.mchenryh2o.com](http://www.mchenryh2o.com)

*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 20**

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 from stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

*Year 20:* 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 the 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 P&D, MCDOT, and the Department of Health. Although the number of in-person public events were still somewhat limited due to Covid-19, County staff participated in a significant number of events in Year 20 that provided opportunities to distribute educational materials related to water quality. The distribution of informational materials will continue to expand as the number of public events resume. 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. The P&D Staff are 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 20.*

### **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 20:* 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 P&D, 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 continued to be somewhat limited during Year 20 due to Covid-19, the NPDES Coordinators exceeded the County’s measurable goal for speaking engagements and spoke on behalf of water quality as opportunities became available. P&D staff have provided presentations about water resources in person and online, including the fifth Annual Water Forum that was held at McHenry County College and featured a variety of experts speaking on water quality issues. A partnership with the McHenry County P&D and the Environmental Defenders of McHenry County created a series of in-person events called*



*Best Management Practice (BMP) “Talk and Tour” workshops that showcased examples of stormwater BMPs that had been successfully implemented in McHenry County. Several of the Talk and Tours focused on the water quality, the financial benefits of successful green infrastructure, and implementation of Sensible Salting practices. The Workshops were filmed by County Communications staff and have been made available to the public on the County YouTube page as well as other organizations social media. MS4 staff participated in a number of other in-person events including an Earth Day celebration event that was held in person at the McHenry County Conservation District’s Prairie View Education Center that had hundreds of attendees; Planetpalooza, an environmental and social awareness event held in Woodstock, Illinois downtown City Square; and the McHenry County College Green living Festival. MS4 staff also provided water resources presentations for the Woodstock, IL public library, McHenry County College – Kids and College Summer Program, the Environmental Defenders of McHenry County Annual Board Meeting, and the Unity Spiritual Center Church in Woodstock, IL. MS4 staff also gave an online presentation on Sensible Salting to the Flint Creek/Spring Creek Watershed Group that was recorded and posted online by several different organizations.*

### **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 20:* 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. Staff from P&D and the Department of Health contributed to numerous published articles addressing chloride pollution, Sensible Salting, climate change, household hazardous waste, recycling, and the long-term drought in McHenry County. The articles were published in the Northwest Herald, the Chicago Tribune, the Woodstock Independent, and the Environmental Defenders of McHenry County Newsletter. 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 P&D and MCDOT share an NPDES website that is hosted by the County. The Water Resources website reports on water resources and maintains a large number of current articles and brochures on protecting groundwater and surface water, managing stormwater, promoting water issue awareness, and conservation of water including green infrastructure BMPs. The Department of Health also has a website that includes water quality and pollution prevention information. McHenry County P&D staff also spearheaded the creation of a traveling Salt Smart exhibit in collaboration with the Conservation Foundation, the Northwest Water Planning Alliance, and a number of libraries in the Chicago Region. The Salt Smart exhibit explains why road salt is dangerous to water quality and how Salt Smart practices maintain safety while reducing pollution. The Salt Smart Exhibit will be shown on a rotating schedule at libraries throughout the Chicago Region.*

#### **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 20:* 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 with a number of events being held by the Department of Health and the P&D. The Department of Health held numerous recycling and waste collection events during Year 20 of the MS4. These events included: 4 residential electronics collections events on April 9, May 21, September 17, and October 15, 2022. In addition to recycling electronic devices, each event also collected textiles, fluorescent tubes and bulbs, and clean Styrofoam for recycling in collaboration with the Environmental Defenders of McHenry County. These events resulted in 51,408 pounds of electronics being collected and recycled. The Department of Health, in coordination with the City of Crystal Lake and the Illinois EPA, held a free Household Hazardous Waste recycling event on June 25, 2022 that resulted in the collection over 279 55-gallon drums of material. The Department of Health held tire recycling drives in Nunda Township on September 8 and in the City of Woodstock on October 22 resulting in the collection of over 89 tons of tires. The Department of Health also held a latex and oil base paint collection event on September 8 in Woodstock that resulted in the collection of over 11 tons of paint.*

*The P&D held their annual Water Forum on August 31, 2022 at the McHenry County College auditorium. The Water Forum is a large annual event focused on educating the public about water resources in the region. Every year focuses on a different water resource topic and expert speakers are brought in to educate a broad cross-section of stakeholders and residents on the topic. With funding from grants and sponsors, the event is fully catered to attract a diverse audience and create festive atmosphere. Over 100 people attended the water Forum and a video of the event continues to help educate the public online. [www.mchenryh2o.com](http://www.mchenryh2o.com). In collaboration with the Northern Regional Groundwater Planning and Protection Committee, MS4 staff also held a Groundwater Field Day on September 14, 2022 that focused heavily on stormwater and water quality issues.*

#### **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 20:* 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.

*MCSEEP provides environmental education programs for schools throughout the county that includes curricula about stormwater and water quality issues. Educational programming is also provided to home-school groups. Specific teaching curricula are established for pre-kindergarten through eighth grade. In addition to its teaching curricula, MCSEEP also*

*coordinates with the schools, the P&D, the Department of Health and the Soil and Water Conservation District (SWCD) to host spring and fall Groundwater Festivals that include 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 were still restructuring due to Covid-19, some of MCSEEP's educational programming was limited during Year 20. This also prevented holding the Groundwater Festivals during Year 20. During Year 20, MCSEEP provided environmental education programming that included education on stormwater issues in 45 schools, 390 classes, and for approximately 8,000 students. As schools continue to resume normal practices, MCSEEP will coordinate with schools to further re-integrate and expand environmental education programming and events. MS4 staff also expect to resume holding Groundwater Festivals again in Year 21.*

### **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 20:* 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 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](http://www.mchenrycountyil.gov/county-government/departments-j-z/planning-development/water-resources/npdes). The County also provides 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 112 unique visits to the NPDES website were counted during this reporting period. The NPDES website and other water resource information can be viewed on the Water Resources Division website at [www.mchenryh2o.com](http://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 20:* 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 met its measurable goal of providing volunteer opportunities to stakeholders in the county. Through the County's Adopt-A-Highway program, 163 active volunteer groups covered 162 of the 208 centerline adoptable miles, resulting in 78% of MCDOT adoptable miles being maintained. A total of 1,580 bags of refuse were collected by the active volunteer groups. An additional 800 bags were collected by MCDOT staff. 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 20:* 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 members of the public in attendance.*

### **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 20:* Through the McHenry County Department of Health and MCDOT procedures for responding to citizen complaints regarding illicit discharges and drainage concerns, all complaints are logged and addressed as appropriate. The MCDOT will continue to manage the Adopt-A-Highway program. The County will annually determine if any of the MS4's jurisdiction may classify as an environmental justice area.

*Both the McHenry County Department of Health and MCDOT answer all citizen complaints as they are received. MCDOT continued to manage the Adopt-A-Highway program. 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 20:* 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 by improving GIS capabilities and records, updating lists of drainage structures, and updating comprehensive maps to reflect any changes due to recent or current construction projects. MCDOT continued to use the inspection forms that were updated in Year 19 to standardize and improve data collection.*

**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 P&D, 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 20:* The County conducts periodic inspections of the storm sewer outfalls listed in Appendix 5.6, which includes all County facility detention/retention ponds, outfalls and names of receiving waters within the MCDOT rights-of-way. 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 45 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 20:* 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 20 reporting period in accordance with the updated IEPA NPDES Permit. A list of the outfalls inspected during the Year 20 reporting period is included below. Refer to Section 3.C.7 of the SMPP for further information.*

The following list includes all of the outfalls identified in the Master List of Ponds, Detention/Retention Facilities, Stream Channel Outfalls, and Storm Drainage Outfalls (Appendix 5.6 of SMPP). The shaded locations were inspected during the Year 20 reporting period. Inspection sites shown in **BOLD** 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.

1. **Algonquin Road over Gravel Pit Creek Str # 056-3166**
2. **Algonquin Road over Crystal Creek Str # 056-3165**
3. Algonquin Road over Woods Creek (east of Randall Road) Str # 056-3164
4. Algonquin Road over Woods Creek (west of Randall Road) Str # 056-3172
5. Randall Road over Woods Creek Str # 056-3204
6. Randall Road over Tributary to Woods Creek Str # 056-3206
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
10. Marengo Road over South Branch Kishwaukee River
11. Harmony Road over Tributary to Coon Creek Str # 056-3170
12. Maple Street over Tributary to Riley Creek Str # 056-3027
13. Harmony Road over Coon Creek Str # 056-3138
14. Genoa Road over Tributary to Spring Creek
15. Coral Road over Tributary to Riley Creek
16. South Union Road over Tributary to West Branch Union Creek
17. Marengo Road over West Branch Union Creek East
18. Marengo Road over Tributary to West Branch Union Creek East Str # 056-3160
19. Marengo Road over Union Creek
20. South Union Road over the South Branch Kishwaukee River Str # 056-3178
21. Franklinville Road over Kishwaukee River Str # 056-3017
22. Franklinville Road over Franklinville Creek Str # 056-3016
23. Union Road over Kishwaukee River Str # 056-3026
24. Garden Valley Road over North Branch Kishwaukee River Str # 056-3028
25. Millstream Road over Kishwaukee River Str # 056-3022
26. Millstream Road over South Branch Kishwaukee River Str # 056-3023
27. Deerpass Road over Kishwaukee River Main Channel Str # 056-3030
28. Deerpass Road over Kishwaukee River Auxiliary Channel Str # 056-3029
29. Kishwaukee Valley Road over Mud Creek Str # 056-3203
30. Kishwaukee Valley Road over Rush Creek Str # 056-3150
31. Kishwaukee Valley Road over Tributary to Rush Creek Str # 056-3202
32. Kishwaukee Valley Road over North Branch Kishwaukee River Str # 056-3177
33. Dunham Road over North Branch Kishwaukee River Str # 056-3179
34. McGuire Road over Rush Creek
35. McGuire Road over Rush Creek Str # 056-3008
36. Flat Iron Road over Mokeler Creek Str # 056-3019
37. Hunter Road over Little Beaver Creek Str # 056-3034
38. Lawrence Road over Tributary to Lawrence Creek Str # 056-3012
39. Lawrence Road over Lawrence Creek Str # 056-3181
40. Lawrence Road over Piskasaw Creek Str # 056-3010
41. Lawrence Road over West Branch Piskasaw Creek Str # 056-3020
42. Lawrence Road over West Branch Piskasaw Creek (No STR #)
43. Alden Road over Tributary to Nippersink Creek
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)

46. Alden Road over Nippersink Creek Str # 056-3174
  47. Altenburg Road over North Branch Kishwaukee River
  48. Durkee Road over Tributary to North Branch Kishwaukee River
  49. Johnson Road over Nippersink Creek Str # 056-3128
  50. Alden Road over Tributary to North Branch Kishwaukee River
  51. McGuire Road over North Branch Kishwaukee River Str # 056-3161
  52. Alden Road over Headwaters of Slough Creek
  - 53. Nelson Road over Slough Creek Str # 056-3201**
  54. Charles Road over Slough Creek Str # 056-3006
  55. Charles Road over Silver Creek Str # 056-3211
  56. Greenwood Road over Nippersink Creek Str # 056-3155
  57. Tryon Grove Road over Reed Creek
  58. Keystone Road over Tributary to North Branch Nippersink Creek
  59. Tryon Grove over Tributary to Nippersink Creek
  60. Tryon Grove over Tributary to Nippersink Creek (just east of #63)
  61. Blivin Street over Nippersink Creek Str # 056-3191
  - 62. Wilmot Road over Nippersink Creek Str # 056-3001**
  63. Johnsbury Road over Dutch Creek Str # 056-3159
  64. Johnsbury Road over Tributary to Dutch Creek
  - 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**
  70. River Road over Defiance Lake Stream Str # 056-3000
  71. River Road over Griswold Lake Stream
  72. Roberts Road over Tributary to Fox River
  73. Walkup Road over Sleepy Hollow Creek
  74. Rakow Road cross culvert east of Pyott Road
  75. Cross Culvert under Charles J. Miller Road from Detention/Retention Pond (on the north side) to the discharge to the Fox River on the south
  76. Main Street cross culvert east of Blivin Street
  77. Johnsbury Roundabout, Tributary to the Fox River
  78. Bay road over unnamed tributary to Lake Jerilyn
- 
- A. Algonquin Road Pond at SE corner Hanson Road
  - B. Algonquin Road (3 ponds in series) east of Church Street
  - C. Algonquin Road pond west of Church Street
  - D. Rakow Road pond on NW corner McHenry Avenue**
  - E. Rakow Road pond on NE corner Pyott Road**
  - F. Animal Control Facility pond
  - G. Charles J. Miller Road pond west of Green Street**
  - H. Charles J. Miller Road pond 500' east of Green Street
  - I. Walkup Road Pond east side south of Anvil Drive
  - J. Walkup Road Pond east side south of Raintree Drive
  - K. Walkup Road Pond east side north of Mason Hill Road

- L. Walkup Road Pond east side, Outlot A of Patriot Estates
- M. County Administration Building Pond south side of building
- N. County Administration Building 2 ponds on north side of building parking area
- O. County Court Facility pond fronting IL 47
- P. Health Department inline detention pond east along entire parking lot
- Q. Health Department pond southwest of entrance
- R. County Records Storage facility fronting Nelson Road
- S. Valley Hi Nursing Home pond
- T. McHenry County Division of Transportation west pond
- U. McHenry County Division of Transportation south ponds
- V. Route 31 Park&Ride lot bio-surface and 3 settling basins west side, south of Virginia Rd.
- W. Charles J. Miller Road detention basin northwest corner of its intersection with River Rd.
- 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.
- AA. River Road Roundabout Wet Detention Basin, NE River Rd/NW Dowell Rd.
- BB. River Road Roundabout Wet Detention Basin, SEC at Dowell Rd.
- CC. River Road Roundabout Wet Detention Basin, SEC at Dowell Rd.
- DD. Charles J. Miller Road wet retention/detention basin northeast corner northerly portion of westerly realigned McHenry Avenue

#### 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 P&D 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 P&D and MCDOT. 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 20:* 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 20:* 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 the list provided in Section BMP C.7 - Visual Dry Weather Screening of this report that identifies the ponds, detention/retention facilities, stream channel outfalls, and storm drainage outfalls that were inspected by MCDOT during the Year 20 reporting period. Of the 108 NPDES locations identified in Appendix 5.6 of the SMPP, a total of 40 (37%) were inspected during the Year 20 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 20:* The County will continue to incorporate pollution prevention and good housekeeping practices into day-to-day activities and operations.

*In Year 20, 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 20**

### **IDDE Monitoring and Data Collection, Year 20**

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 Department of Health on an as-needed basis.*

*A total of 45 potential illicit discharges were investigated by the MCDH. The MCDH performed inspections for all 45 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 20**

### **BMP Monitoring and Data Collection for Year 20**

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

*For Year 20, 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 21 Proposed Stormwater Activities

The table below indicates the stormwater management activities that the MS4 plans to undertake during Year 21. Additional information about the stormwater management activities that the MS4 will perform during Year 21 is provided in the section following the table.

The current version of the Permit was issued on February 10, 2016. A Notice of Intent for renewal of the General Permit was submitted to the IEPA on February 25, 2021, but McHenry County had not received documentation back from the IEPA at the time this report was completed. Therefore, the current MS4 complies with the March 1, 2016 Permit requirements for Year 15 and subsequent years including the current Year 20 and proposed Year 21 activities. The MS4 remains committed to performing activities related to the six MCMs described in the most recent version of the Permit.

**Note:** X indicates BMPs that will be implemented during Year 21  
 ✓ indicates BMPs that are proposed be changed from Year 20

Year 21 MS4	Best Management Practice (BMP)
<b>A. Public Education and Outreach on Storm Water Impacts</b>	
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>B. Public Involvement/Participation</b>	
	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
<b>C. Illicit Discharge Detection and Elimination</b>	
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 21 MS4	Best Management Practice (BMP)
<b>D. Construction Site Storm Water Runoff Control</b>	
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
<b>E. Post-Construction Storm Water Management in New Development and Redevelopment</b>	
	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
<b>F. Pollution Prevention/Good Housekeeping for Municipal Operations</b>	
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

## **Stormwater Management Activities, Year 21**

During Year 21, 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](http://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 21:* 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 21:* 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 P&D, 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 21:* 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 21:* As in past years, the County will hold at least 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.

#### **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 21:* 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 21:* 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 21:* 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.

#### **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 21:* 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 21:* 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 P&D, 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 21:* 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 P&D 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 21:* The McHenry County P&D, 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 P&D and MCDOT. 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 21:* 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 21:* 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 21:* 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 20.

## **Part G. Construction Projects Conducted During Year 20, Proposed for Year 21**

Construction projects in Permit Year 20 (March 2022 – February 2023) funded by the McHenry County Division of Transportation (MCDOT) and covered by General Permit No. ILR400264 are listed below:

<b>Project Name</b>	<b>Project Size (acres)</b>	<b>Construction Start Date</b>	<b>Construction End Date</b>
Randall Road (County Paving) Grind/Mill/Pave	7.7 acres	5/2022	10/2022
Algonquin Road (County Paving) Grind/Mill/Pave	61.1 acre	5/2022	10/2022
Traffic Signal Modernization (Various Intersections)	4.49 acres	5/2022	8/2023
Kishwaukee Valley Road culverts repair/preserve	<1 acres	6/2022	10/2022
Harmony Road culvert repair/preserve	<1 acre	6/2022	10/2022

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 21 (March 2023 - February 2024) are listed below:

<b>Project Name</b>	<b>Project Size (Acres)</b>	<b>Construction Start Date</b>	<b>Construction End Date</b>
Johnsburg Rd – Superstructure Replacement & Pavement Resurfacing.	< 1.5 acre	6/2023	7/2023
Pyott Road (County Paving) Grind/Mill/Pave	14.1 acres	05/2023	09/2023
Lakewood Road (County Paving) Grind/Mill/Pave	10.8 acres	05/2023	09/2023
North Union Road (County Paving) Grind/Mill/Pave	6.1 acres	05/2023	09/2023
South Union Road (County Paving) Grind/Mill/Pave	4.1 acres	05/2023	09/2023
West Union Road (County Paving) Grind/Mill/Pave	8.1 acre	05/2023	09/2023
Traffic Signal Modernization (Various Intersections)	4.49 acres	5/2022	8/2023

