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June 1, 2023

Ms. Terri LeMasters  
Illinois Environmental Protection Agency, DWPC  
Compliance Assurance Section #19  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

RE: McHenry Township Road District, NPDES Annual Update (2022/2023)  
IEPA Permit No. ILR40-0084  
HR Green Job No. 2302495

Dear Ms. LeMasters:

Please find enclosed the NPDES Phase II – Year 20 (2022/2023) Annual Report for the McHenry Township Road District (MTRD). As the representative of the MTRD, HR Green, Inc. coordinated with the MTRD in the completion of the Annual Report and NOI for continued coverage under the General Permit issued by the Illinois Environmental Protection Agency (IEPA).

If you have any questions, please contact me at 815-759-8370 or at [lgilbertsen@hrgreen.com](mailto:lgilbertsen@hrgreen.com)

Sincerely,

**HR GREEN, INC.**

A handwritten signature in black ink, appearing to read 'Logan Gilbertsen'.

Logan Gilbertsen, P.E., CFM  
Project Manager – Water Resources

JG/LG

cc: Mr. James Condon, McHenry Township Road District  
Mr. Akram Chaudhry, HR Green, Inc.  
Mr. Steve Bicking, HR Green, Inc.



# 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 0085

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

Name: McHenry Township Road District Mailing Address 1: 3703 N. Richmond Road  
Mailing Address 2: \_\_\_\_\_ County: McHenry  
City: McHenry State: IL Zip: 60050 Telephone: 815.385.3076  
Contact Person: James E. Condon, P.E. Email Address: jcondon@mchenrytownship.com  
(Person responsible for Annual Report)

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

McHenry Township Road District

#### 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:

James E. Condon, P.E.

Printed Name:

5/30/23  
Date:

Highway Commissioner

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.

**McHenry Township Road District**  
**NPDES Phase II – Year Twenty (March 2022-March 2023) Annual Report Summary**  
**IEPA Permit No. ILR40-0048**

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## **Part A. Changes to Best Management Practices**

There are no proposed changes in Year 20 (2022/2023) to the Best Management Practices (BMPs) that are outlined in the NOI.

The Township has reviewed the IEPA's Environmental Justice mapper and has determined that currently there are limited areas within the Township that are considered low income or high minority population. Only 21% of the area is considered low income, which is below the state average and only 2% are linguistically isolated. The results of the EJ screening do not impact how the NPDES Phase II program is operated.

The Township has reviewed the Illinois Environmental Protection Agency's (IEPA) website for information regarding approved or ongoing Total Maximum Daily Load (TMDL) limits on Upper Fox River watershed and the tributary streams which the Municipal Separate Storm Sewer System (MS4) is tributary to. A TMDL report was recently created and approved in June 2020 for the Upper Fox River/Chain O' Lakes Watershed for phosphorus and TSS. However, the MTRD does not apply phosphorus-based salts on the road and does not operate sewage plants. Additionally, the MTRD has three state licensed employees to ensure chemicals and fertilizers are stored and used in the most responsible way. Therefore, no changes to BMPs are proposed at this time.

Enforcement of illicit discharges is completed by McHenry County. Additionally, the MTRD completed outfall inspections and no illicit discharges were found.

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

The status of BMPs and measurable goals performed in Year 20 are described below.

### **1. Public Education and Outreach**

#### **A.1 Distributed Material**

**Measurable Goals:** Prepare an educational article once a year and include it in the digital newsletter. This article may include information relating to the impacts of climate change on precipitation and stormwater pollution.

**Status:** The MTRD continues to maintain a webpage tab devoted to Stormwater Management, which provides information about the MTRD's NPDES efforts. The website includes a map of the outfalls within the road district and discusses the procedure that the MTRD staff take to inspect the outfalls annually for illicit discharges. The website also discusses efforts that the MTRD takes for pollution prevention / good housekeeping, including storing road salt in the dome, using less salt on roads, and training employees annually on stormwater pollution prevention. The link to the website is provided below:  
<https://www.mchenrytownship.com/road-district/storm-water-management/>

#### **Public Education and Outreach Evaluation**

The McHenry Township website has educational information on its Stormwater Management tab. MTRD also has stormwater educational information leafletted at the office front desk. To improve resident awareness about NPDES and stormwater, the MTRD will continue to have a booth at its annual Touch-A-Truck event to hand out stormwater brochures. Many residents attend this family event, so it has great potential to become a more effective method to inform residents about stormwater.

Due to the pandemic, many of the in-person events had to be cancelled, including the Touch-A-Truck event. However, the Touch-A-Truck event is scheduled for September 9, 2023 this year and MTRD will have a table set up to discuss stormwater and to hand out brochures.

The MTRD has been working with the McHenry County Conservation District to convert the roadside ditch vegetation to native vegetation. To date, the MTRD has revegetated about 3 miles of ROW, totaling about 6 miles of ditches being converted bioswales. In Year 20, the program was disbanded.

### **2. Public Participation/Involvement**

#### **B.3 Stakeholder Meeting**

**Measurable Goals:** Participate in or host a local watershed group meeting at least once annually if one is available and active within the MS4.

**Status:** The Township hosted a meeting of the Boone and Dutch Creek watershed on July 23, 2019. Discussions took place about collaboration between the Township and the watershed group on an overgrown channel in West Shore Beach. This channel drains into McCullom Lake and Dutch Creek. The Boone-Dutch Creek group has become less active since the completion of the WBP.

On August 11, 2021, the MTRD hosted a meeting for the Fox River Ecosystem Partnership with the topic being "Roadside Habitat in McHenry County." There were two presentations. The first presentation was titled "McHenry Township Roadside Prairies" which discussed Floristic Quality Assessments (FQA) along several township roads. The second presentation was titled "MTRD Naturalized Right-of-Way" which discussed the natural revegetation program along the MTRD roadways and the program's progress. Both presentations are available on the Fox River Ecosystem Partnership website.

#### **B.4 Public Hearing**

**Measurable Goals:** Present ongoing NPDES Phase II program summary at least once annually at a public meeting.

**Status:** The MTRD presented the NPDES Phase II program at the Boone/Dutch Creek watershed meeting at the Townships facility on July 23, 2019. Public attendance was about 20 individuals who had a positive response to the information presented.

In Year 18, the NPDES program was discussed at a board meeting to update the board that outfall inspections are being scheduled and taking place.

MTRD discussed the NPDES program at the annual board meeting on 4/11/2023. 20 people attended the meeting.

#### **Public Participating/Involvement Evaluation**

Overall, the public participation and involvement has been effective. MTRD has hosted a Fox River Ecosystem Partnership meeting in August 2021 about roadside habitat in McHenry County and prepared two presentations about incorporating natural vegetation within the Road District. MTRD prepared an educational article for the residents and it is posted on the website that explains stormwater management practices. The article can be viewed anytime on the website.

### 3. Illicit Discharge Detection and Elimination

#### C.1 Storm Sewer Map Preparation

Measurable Goals: The MTRD has completed an Outfall Map by mapping all of its known or observed storm sewers and culverts. The MTRD will update the map as needed.

Status: The MTRD has completed the sewer outfall map, showing outfall locations and receiving streams. This map is available on the MTRD's website on the Stormwater Management tab. The MTRD completed the update of their outfall map in April of 2021. One (1) new outfall was identified in Year 20 – 1907 Woodlawn Park Avenue.

The MTRD has and will update the map as new outfalls are discovered or constructed.

#### C.2 Illicit Discharge Detection and Elimination (IDDE) Ordinance – N/A.

The Township's ownership is limited to roadway ROW within the Township. Furthermore, the Township does not have the authority to adopt any ordinances or amendments. If any illicit discharges are suspected or found, the Township will notify the County for further enforcement.

#### C.3 Detection/Elimination Prioritization Plan

Measurable Goals: Implement the Detection/Elimination Prioritization Plan and update/modify as needed.

Status: The MTRD continues to utilize Dry Weather Screening to identify illicit discharges. The storm Sewer Outfall Map aids in identifying areas at risk for illicit discharge. Outfalls are inspected annually. 51 outfalls were inspected in Year 20. The MTRD has an inspection form logbook which is updated annually.

#### C.4 Illicit Discharge Tracing Procedures

Measurable Goals: The MTRD will continue to develop, train, and educate employees in relevant positions to perform activities such as illicit discharge tracing procedures and visual dry weather stormwater outfall screening. The MTRD will utilize these Tracing Procedures to find the source of illicit discharges. The Storm Sewer Outfall Map will assist in identifying areas to be inspected.

Status: The MTRD has continued developing illicit discharge tracing procedures and will implement the procedures through the training and education of employees. The staff goes through annual training at their annual meeting to train or refresh staff on procedures. 51 outfalls were inspected in Year 20, and no illicit discharges were found.

#### C.5 Illicit Source Removal Procedures

Measurable Goals: The MTRD will continue developing written procedures and perform Illicit Discharge evaluations in accordance with BMPs C.4 and C.7. If any illicit discharges are suspected or found, The MTRD will inform the County for further enforcement action, under the County Ordinances.

Status: The MTRD has developed procedures and will continue to perform Illicit Discharge evaluation in accordance with BMPs C.4 and C.7. No illicit discharges have been found in Year 20.

### **C.7 Visual Dry Weather Screening**

Measurable Goals: The MTRD will continue scheduled visits of known outfalls.

Status: Outfall inspections occur annually. 51 outfalls were inspected by MTRD (David Kattner) in Year 20. No illicit discharges were found.

### **C.9 Public Notification of Illicit Discharge Ordinance—N/A.**

The MTRD's ownership is limited to roadway ROW within the Township. Any illicit discharges found within the Township will be enforced by the County under its IDDE Ordinance.

## **Illicit Discharge Detection and Elimination Evaluation**

The MTRD has done an excellent job keeping up with their outfall inspections, which occur annually. 51 outfalls were inspected in Year 20 and no illicit discharges have been found. MTRD keeps the annual inspection forms in a logbook. The MTRD will continue to utilize the Illicit Discharge Detection and Elimination program annually.

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

Development within McHenry Township is regulated by McHenry County. The County Stormwater Management Ordinance includes provisions for the control of storm water runoff during construction. The McHenry County Department of Planning and Development also has procedures for the orderly review of new development. The County Zoning and Subdivision Control Ordinances along with the County Watershed Development Ordinance include provisions for the control of stormwater runoff during construction.

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

Development within McHenry Township is regulated by McHenry County. The County Stormwater Management Ordinance includes provisions for the control of storm water runoff after construction. The McHenry County Department of Planning and Development also has procedures for the orderly review of new development. The County Zoning and Subdivision Control Ordinances along with the County Watershed Development Ordinance include provisions for the control of stormwater runoff after construction.

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

### **F.1 Staff Training**

Measurable Goals: The MTRD will continue to train and educate its employees in relevant positions to perform activities such as illicit discharge tracing procedures and visual dry weather stormwater outfall screening and update the program, as needed.

Status: . The MTRD provides in-house training for staff regarding snow and salt control so that the appropriate levels of salt are used on the roadways during winter months.

### **F.2-F.4 MTRD Facility Operation and Maintenance Program**

Measurable Goals: The MTRD will continue to follow the Operation and Maintenance Program to address the maintenance needs of its properties.



Status: The MTRD has developed an operation and maintenance program and follows it annually. Salt storage is indoors which reduces its exposure to runoff. Trucks are calibrated before every winter to prevent the overuse of salt. MTRD utilizes an in-house wash bay which recycles and contains wash water, minimizing discharge of pollutants. The MTRD also uses de-icing liquid salt brine, which reduces the amount of salt used by 25 to 30% and, therefore, reduces the amount of chloride entering waterbodies.

Additionally, the MTRD employs three state licensed employees to ensure chemicals and fertilizers are stored and used in the most responsible way. The MTRD does not generally apply fertilizers with the exception of restoration of construction sites.

### **Pollution Prevention/Good Housekeeping Evaluation**

The MTRD has been successful at achieving their goals for good housekeeping and is taking measures to reduce the likelihood of salt pollution. MTRD feels the program is very effective and will continue to utilize this program in 2023/2024.

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

The protocol established in the permit was followed; no illicit discharges were found, and no illicit discharges were tested. One (1) additional outfall was identified, and the outfall map was updated accordingly.

### **Part D. Summary of Year 21 (2023/2024) Stormwater Activities**

Below are listed the various BMPs which have milestones to be completed in Year 21, as outlined in the NOI. The specific milestone to be completed for each BMP is shown.

- A.1 - Prepare an educational article once a year and include it in the digital newsletter. This article may include information relating to the impacts of climate change on precipitation and stormwater pollution.
- B.3 - Participate in or host a local watershed group meeting at least once annually if one is available and active within the MS4.
- B.4 - Present the NPDES Phase II program summary at least once annually at a public meeting.
- C.1 - Maintain and update Outfall Map and storm sewer map, as necessary, to show outfall locations and receiving streams.
- C.2 - Notify the County of any suspected or found illicit discharges for further enforcement actions.
- C.3 - Implement the Detection/Elimination Prioritization Plan and update/modify as needed.
- C.4 - Continue developing illicit discharge tracing procedures and implement the procedures through the training and education of Township employees.
- C.5 - Continue developing written procedures and continue to perform Illicit Discharge evaluations in accordance with BMPs C.4 and C.7.
- C.7 - Continue scheduled visual dry weather screening of known outfalls.
- F.1 - Continue training Township employees in relevant positions to perform activities such as illicit discharge tracing procedures and visual dry weather stormwater outfall screening and update the program, as needed.
- F.2-F.4 – Continue to follow the Operation and Maintenance Program created to address the maintenance needs of its properties and update said program as needed

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

Development in McHenry Township is regulated by McHenry County, which has adopted the McHenry County Watershed Development Ordinance. The following items are expected to be covered by the County's ordinance as described in the original NOI:

#### **Section C – Illicit Discharge Detection and Elimination:**

Per BMP No. C.2, an Illicit Discharge Detection and Elimination (IDDE) Ordinance has been adopted by the County.

#### **Section D - Construction Site Runoff Control:**

Development within McHenry Township is regulated by McHenry County. The County Zoning and Subdivision Control Ordinances along with the County Watershed Development Ordinance include provisions for the control of stormwater runoff during construction. The McHenry County Department of Planning and Development also has procedures for the orderly review of new development.

#### **Section E - Post-Construction Runoff Control:**

Development within McHenry Township is regulated by McHenry County. The County Zoning and Subdivision Control Ordinances along with the County Watershed Development Ordinance include provisions for the control of stormwater runoff during construction. The McHenry County Department of Planning and Development also has procedures for the orderly review of new development.

**Part F: Construction Projects Conducted During Year 20**

In Year 20, the Township itself does not have any construction projects that were greater than one acre and required a NOI under the ILR10.

Within the Township, there was one project that required a Notice of Intent and that that disturbed more than one acre of land: