



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, 2016 To March, 2017

Permit No. ILR40 _____

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

Name: McHenry Township Road District Mailing Address 1: 3703 North Richmond Road

Mailing Address 2: _____ County: McHenry

City: Johnsburg State: IL Zip: 60051 Telephone: 815-385-3076

Contact Person: James Condon 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 Condon

Printed Name:

5/30/17
Date:

Highway Commissioner

Title:

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

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

McHenry Township Road District
NPDES Phase II – Year Fourteen (March 2016-March 2017) Annual Report Summary

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Part A. Changes to Best Management Practices

There were no changes in Year 14 to the Best Management Practices (BMPs) that were outlined in the NOI permit for Years 11-15.

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 streams within the Municipal Separate Storm Sewer System (MS4) service area. According to the 303 (d) Listed Water Maps, five impaired waterbodies are within the McHenry Township Road District limits. The waterbodies are McCullom Lake (Waterbody ID: RTZD), Fox River (Waterbody ID: DT-23), Lily Lake (Waterbody ID: RTZJ), Wonder Lake (Waterbody ID: RTZC), and Pistakee Lake (Waterbody ID: RTU). Although McCullom Lake, Fox River, Lily Lake, and Wonder Lake are impaired, there are no ongoing or approved Total Maximum Daily Load (TMDL) limits for the waterbodies. Pistakee Lake have ongoing Total Maximum Daily Load limits within the Township. According to IEPA's 2010 *Upper Fox River/Chain O' Lakes Watershed TMDL Final Stage 1 Report*, the TMDL targets are for total ammonia and total phosphorus. It is highly unlikely that the McHenry Township Road District contributes to total ammonia and total phosphorus impairment as the Road District does not apply any fertilizer within its right-of-way (ROW) and the Road District's jurisdiction is limited to the ROW. Therefore no changes to the existing BMP's will be required to comply with a TMDL at this time.

The Township has reviewed Part V. Monitoring, Recordkeeping and Reporting of the General NPDES Permit ILR-40 and has begun an evaluation of BMPs based on the estimated effectiveness from published research. The Village will begin monitoring the pollutant reduction from the ongoing street sweeping program.

Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in Year 14 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. Research the existence of Environmental Justice areas within the MS4.

Status: The MTRD has prepared an article pertaining to pre-treating and de-icing roads in their quarterly newsletter for Winter 2016-2017. The MTRD uses de-icing liquid salt brine, which reduces the amount of salt used and, therefore, reduces the amount of chloride entering waterbodies. The Township will continue issuing a quarterly newsletter and maintaining an updated website. Newsletters are sent to every resident within the township. The webpage also has a tab devoted to Stormwater Management which explains how to reduce the amount of pollution that finds its way into streams, rivers, and lakes.

The Township has researched the existence of EJ areas within the MS4 using the <https://ejscreen.epa.gov/mapper/> tool and has determined that there are no EJ areas within the MS4.

The Township is in the process of updating their website to include climate change information. Currently, the suggested EPA climate change page is being updated, so other sources may need to be identified.
<http://epa.gov/climatechange/>

Public Education and Outreach Evaluation

Overall, the public education and outreach program could improve. The McHenry Township website has educational information on its Stormwater Management tab and newsletters include stormwater information annually. To improve resident awareness about NPDES and stormwater, the MTRD will 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.

2. Public Participation/Involvement

B.3 Stakeholder Meeting

Measurable Goals: Participate in a local watershed group meeting or offer to host a local watershed group meeting at a municipal facility.

Status: In Year 14, the Boone-Dutch Creek Watershed Plan was approved by the IEPA. The Road District's representative (HR Green, Inc.) attended watershed group meetings and contributed to the preparation of this plan.

The McHenry Township Road District also Worked with the Environmental Defenders of McHenry County and received the 2016 Government Award for providing residents with year-round environmentally responsible recycling opportunities not found in many parts of McHenry County.

B.4 Public Hearing

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

Status: The Township presented an article prepared by HR Green, Inc., entitled “An overview of NPDES Phase 2” at the March 2017 meeting.

B.6 Program Involvement

Measurable Goals: Maintain the Adopt-A-Highway Program.

Status: The MTRD has maintained the Adopt-A-Highway program whereby public or private organizations or clubs can offer to clean up highway ditches (part of the MS4) on a bi-annual basis. MTRD also coordinates a recycling program that collects electronic waste as well as other materials; this may help to reduce dumping in roadside ditches. The MTRD will continue to promote this program to provide opportunities for public involvement. There was no reduction or increase in Adopt-A-Highway participation in the past year.

Public Participation/Involvement Evaluation

Overall, the public participation and involvement has been effective. A summary of the ongoing NPDES Phase II program is discussed annually at a Village Board meeting and the public seems interested when information regarding NPDES and stormwater are discussed. The annual Touch-A-Truck event is a well-attended event, so including a booth regarding stormwater will be an effective way to involve the public.

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. The MTRD is in the process of updating the map. This will be completed in Year 15.

C.2 Illicit Discharge Detection and Elimination (IDDE) 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.

C.3 Detection/Elimination Prioritization Plan

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

Status: All outfalls were visited in Year 14 and no illicit discharges have been found. All outfall inspection forms have been filled.

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. Approximately 3 employees were self-trained with a manual for outfall inspections in Year 14. All outfalls were inspected and forms were filled out. 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.

C.7 Visual Dry Weather Screening

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

Status: All outfalls were inspected in Year 14 and outfall inspection forms were filled out. 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. About 3 employees self-trained themselves on outfall inspections. All outfalls were inspected in Year 14 and no illicit discharges have been found. The MTRD has determined that the Illicit Discharge Detection and Elimination program has been very useful and will continue to utilize this 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.

Status: The MTRD has continued training and educating employees in related areas. Jim Condon and an additional road district employee went to a seminar relating to NPDES permitting and the NPDES program.

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. The Program includes a description of all Properties, Fleet and Building Maintenance, and Erosion Control Procedures for new construction or other land disturbance, and prevention and containment of hazardous material spills. Salt storage is indoors. The salt storage facility will be updated with a conveyor system and pit system to reduce the amount of salt that is spilled during loading and unloading. Additionally, a bulkhead will be added to the entrance to protect from the rain.

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. The salt storage will be updated to reduce the amount of salt that is spilled during loading and unloading and to protect the salt during rain events.

Part C. Information and Data Collection Results

The protocol established in the permit was followed; no illicit discharges were observed and no illicit discharges were tested.

Part D. Summary of Year 15 Stormwater Activities

Below are listed the various BMPs which have milestones to be completed in Year 15, as outlined in the NOI. The specific milestone to be completed for each BMP is shown.

- A.1 - Prepare at least one (1) educational article and publish it in the newsletter at least once per year.
- B.3 - Participate in a local watershed group or offer to host a local watershed group meeting at a municipal facility.
- B.4 - Present the Municipal NPDES Phase II program summary at least once annually at a public meeting.
- B.6 - Maintain Adopt-A-Highway program.
- C.1 - Update the Outfall Map, as necessary, to show outfall locations and receiving streams.
- 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 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 visits of known outfalls.
- F.1 - Continue training municipal 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.

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 14

There were no construction projects initiated by the Township that disturbed more than one acre of land during Year 14.