



DANIEL CREANEY COMPANY
CIVIL ENGINEERING CONSULTANTS

June 1, 2021

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, DWPC
1021 N. Grand Avenue East
P.O. Box 19276
Springfield, Illinois 67294-9276

ATTN: COMPLIANCE ASSURANCE SECTION

RE: NORTHFIELD TOWNSHIP
ANNUAL FACILITY INSPECTION REPORT – NPDES
PERMIT FOR STORM WATER DISCHARGES FROM MS4
PROJECT NO. 5066

Enclosed please find a completed Annual Inspection Report in compliance with the NPDES Phase II permitting requirements. The Inspection Report has been prepared after review of the Townships stormwater management program designed to reduce the discharge of pollutants to the maximum extent practicable (MEP).

Northfield Township has a population of 14,900 residents in unincorporated areas. Northfield Township Road District maintains only those areas in Northfield Township that are unincorporated areas of the Village of Glenview, the Village of Northbrook and the Village Northfield, not the entire Township. Therefore, Northfield Township Road District has no population. Private Property is under the jurisdiction of Cook County. The Township Road District only maintains approximately (21) twenty-one center miles of roadway. The remainder of the Northfield Township roadway, storm ditches, and storm sewer are maintained by the Illinois Department of Transportation, Cook County, Village of Glenview, Village of Northbrook, Village of Northfield, and private homeowner-maintained roadways. Northfield Township follows the Cook County Watershed Ordinance and Practices; and the Metropolitan Water Reclamation District requirements.

The Township also belongs to the Lower Des Plains watershed and the Northbrook Chicago Watershed. All building and grading projects must be reviewed and approved by the Cook County Building and Zoning Department.

Sincerely,
DANIEL CREANEY COMPANY

Mark Toll
Project Manager

Encl.

cc: Mr. Tim Rueckert, Northfield Township Highway Commissioner

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450 Skokie Boulevard, Suite 105
847-480-5757

Northbrook, IL 60062-7909
FAX: 847-480-7209



**NORTHFIELD TOWNSHIP
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES FROM MS4
MARCH 2020-MARCH 2021**

- A. NO CHANGES TO BEST MANAGEMENT PRACTICE
- B. STATUS OF COMPLIANCE AND ASSESSMENT

BMP No. A1 Resident Newsletter – Stormwater Articles

Stormwater articles are included in the Northfield Township Road District website and newsletter sent to residents every spring.

BMP No. A1 Stormwater Flyer

Northfield Township is researching stormwater issues to include in a take away flyer to be available at the Township Building.

BMP No. B4 Public Meeting

Northfield Township Road District holds a recycling program for the public six times a year. At the recycling program, staff is present to discuss stormwater issues and answer questions. The Highway Commissioner attends stormwater meetings with the public four times a year and attends Homeowner Association meetings to discuss stormwater.

BMP No. B7 Public Reporting

The Township Road District annual newsletter contains a contact number for reporting stormwater related issues.

BMP No. C1 Stormwater Atlas

Township stormwater atlases are being developed. The Township has categorized four stormwater areas Glenbrook Countryside, Mission Hills/Citation Lake, Apple Valley, and Glenview Countryside. Of the four areas, stormwater atlases are complete for three areas, Glenbrook Countryside, Mission Hills/Citation Lake, Glenview Countryside.

BMP No. C7 Visual Dry Weather Screening Program

Township road crews visually inspect all ditches, detention basins and outfalls on an ongoing basis, specifically prior to, during, and following every rainfall. All ditches are cleared of debris and mowed by the Township road crew on 4-5 week schedule. All storm sewer is inspected by the Township Road crew on a 4-year cycle. Any storm sewer found to be blocked will be televised and cleaned.

BMP No. D2 Sediment and Erosion Control BMPs

The Township requires erosion and sediment control BMPs for projects within the Township ROW as required by Cook County.



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ANNUAL FACILITY INSPECTION REPORT
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MARCH 2020-MARCH 2021**

BMP No. E3 Long Term O&M Procedures

The Township requires Long Term O&M procedures for stormwater facilities as required by Cook County.

BMP No. F2 Inspection and Maintenance

The Township conducts a regular inspection and maintenance program designed to reduce pollutant runoff. In addition to the dry weather screening program, the Township provides street cleaning as necessary. This program is reviewed annually.

BMP No. F3 Municipal Pollution Prevention Plan

The Township Road District has a storm sewer/culvert/ditch policy. In addition to the policy the Township practices proper disposal of hazardous material, judicious use of roadway salt, and appropriate use and storage of construction and landscape materials. The Township operational policies are designed to reduce pollutant runoff from Township operations. This program is reviewed annually.

C. NO MONITORING DATA FOR THE REPORTING PERIOD

D. STORM WATER ACTIVITIES PROPOSED FOR THE MARCH 2021- MARCH 2022 REPORTING CYCLE

BMP No. A1 Resident Newsletter – Stormwater Articles

Stormwater articles will be included in the Northfield Township Road District Newsletter sent to residents in the spring.

BMP No. A1 Stormwater Flyer

Northfield Township is researching stormwater issues to include in a take away flyer to be available at the Township Building. If the IEPA (or another agency) has produced readily available take away flyer information, and it is available to the Township, the Township will make the flyers available to the public at the Township offices.

BMP No. B4 Public Meeting

Northfield Township Road District holds a recycling program for the public six times a year. At the recycling program, staff is present to discuss stormwater issues and answer questions. The Highway Commissioner attends stormwater meetings with the public four times a year and attends Homeowner Association meetings to discuss stormwater.



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ANNUAL FACILITY INSPECTION REPORT
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MARCH 2021 - MARCH 2022**

BMP No. B7 Public Reporting

The Township Road District annual newsletter contains a contact number for reporting stormwater related issues. The Newsletter will be sent in the spring.

BMP No. C1 Stormwater Atlas

Apple Valley stormwater atlas field work is anticipated to begin.

BMP No. C7 Visual Dry Weather Screening Program

Township road crews will visually inspect all ditches, detention basins and outfalls every rainfall. All ditches will be cleared of debris and mowed by the Township road crew on 4-5 week schedule. One quarter of the storm sewer will be inspected this year. Any storm sewer found to be blocked will be televised and cleaned.

BMP No. D2 Sediment and Erosion Control BMPs

The Township requires erosion and sediment control BMPs for projects within the Township ROW as required by Cook County

BMP No. E3 Long Term O&M Procedures

The Township requires Long Term O&M procedures for stormwater facilities as required by Cook County.

BMP No. F2 Inspection and Maintenance

The Township conducts a regular inspection and maintenance program designed to reduce pollutant runoff. In addition to the dry weather screening program, the Township provides street cleaning as necessary.

The Township plans the following maintenance projects in the March 2021-March 2022 reporting period:

1. Storm sewer slipline.
2. Joint repairs in the parkway.
3. Manhole/catchbasin repairs
4. Point repairs to the storm sewer
5. Driveway culvert replacement
6. Manhole lid/frame replacement
7. Monthly ditchline/parkway cleaning and mowing.
8. Storm sewer televising
9. Storm sewer cleaning, root cutting, and water jetting.



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MARCH 2021-MARCH 2022**

BMP No. F3 Municipal Pollution Prevention Plan

The Township Road District has a storm sewer/culvert/ditch policy. In addition to the policy the Township practices proper disposal of hazardous material, judicious use of roadway salt, and appropriate use and storage of construction and landscape materials. The Township operational policies are designed to reduce pollutant runoff from township operations. This program is reviewed annually, and will be reviewed again in 2021.

- E. NORTHFIELD TOWNSHIP RELIES ON COOK COUNTY REQUIREMENTS FOR CONSTRUCTION SITE RUNOFF CONTROL. THE TOWNSHIP COORDINATES WITH THE COOK COUNTY HIGHWAY DEPARTMENT. MR. ROBERT MACK, DIVISION HEAD, DRAINAGE AND UTILITIES DIVISION
- F. CONSTRUCTION PROJECTS NORTHFIELD TOWNSHIP HAS PAID FOR DURING THE MARCH 2020 - MARCH 2021 REPORTING PERIOD
1. 10.98 miles of storm line root-cut and cleaned
 2. 3 manholes installed
 3. 2 culverts and driveway aprons replaced
 4. 74 feet of ditch regrading
 5. 3 curb sections repaired by street storm drains
 6. Street storm grates and ditches inspected, cleared before and after any major rain event, this is part of the dry visual inspections of the Northfield Township District Storm System
 7. Snow was removed from street storm grates to avoid freezing conditions from melting snow
 8. This was done during Covid-19 work restrictions and limited work force

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Northfield Township Road District Annual Storm Sewer Cleaning and Repair Report

2020

Date	Address/area work was performed	Footage cleaned Or problem	Linear footage of pipe install	Manhole Repair/replaced	Notes
	MARCH 2020 COVID 19	January 31, 2020 First US Cases	STAY AT HOME ORDERS	COVID RESTRICTIONS	LIMITED SIZE WORK FORCE
3/11/20	Maple Ave, NBK Backyard line East	300 feet			Lots of roots Storm line needs RR
3/12/20	Maple Ave, NBK	400 feet			Lots of Roots / RR
3/12/20	Greendale ,GLV	1100 feet			Line OK
3/13/20	Countryside Ln To Linneman	600 feet			Main line from Park to Linneman
3/18/20	3905 Walters 3953 Walters	300 feet			Cleaned storm line do to complaints Maple
3/19/20	Linneman W of Revere south side of street , GLV	Meadow from Revere to Central 1400 ft.			No problems
4/21/20	Longmeadow (N) of Glenview Road	2200 feet			No problems
4/22/20	Longmeadow across Lake street	Included in above			No problems
4/22/20	Meadow Lane GLV	1000			No problems
4/23/20	3404 Meadow to Greenwood, GLV	2300			No problems
4/23/20	Revere & Meadow To Central	Included in above			No problems
4/29/20	Western Ave (N) of Meadow NBK	500			Heavy Roots
4/29/20	Holly (N) of Meadow NBK	500			Heavy Roots
4/29/20	Holly (N) of Meadow NBK	500			Heavy Roots
5/1/20	Oak & Cumberland Backyard line (E)	300			Opened blockage
5/1/20	Central (NBK) (E)	500			Bleach bottle blocking line/roots
5/4/20	Countryside Ln (GV) Walking path to Lin	600			No problems
5/4/20	816 Revere(GV) to Highland (S. Side)	2400			No problems
5/5/20	Elmdale to GV Rd, Henley to Elmdale	-			Must dig up RR No problem
	Elmdale to Linneman (GLV)	-	Stone in pipe	Storm line across Linneman	Must dig up RR
	Linneman to Greenwood (GLV)	1600 feet for all lines			Manhole needs RR at Greenwood

Northfield Township Road District Annual Storm Sewer Cleaning and Repair Report

2020

Date	Address/area work was performed	Footage cleaned or problem	Linear footage Of pipe install	Manhole Repair/replaced	Notes
5/6/20	Henley (W) to Revere (GLV)	-			Roots
5/6/20	Revere to Linneman	1500 feet For all lines			Some roots on Linneman Line
5/7/20	Revere to backyard line of Meadow	-			
5/7/20	Backyard line to Hillside (GLV)	1400 feet			Minor roots No major problems
5/8/20	Hillside to Central (GLV)	1800			No problems
5/11/20	Rosedale to Central Hillside to Greendale	- 1100			No problems Heavy roots
5/12/20	Central Rd. GLV Hillside to Greendale	250			Lots of roots did not make it to Greendale
5/13/20	Central Rd. GLV from Greenwood to Greendale	1200			Stone and roots Central RD storm needs RR owned IDOT
6/4/20 6/5/20	60 Birchwood NBK	350		Installed manhole	GBC Roots
6/8/20	Wedel to Glenview Rd. both sides	1400			No problems
6/9/20	Wedel to Linneman To Huber (GLV)	1500	Linneman line Need to work with Village	Of Glenview This line drains to Crowley Park	Linneman line needs complete RR
6/10/20	Huber Lane Glenwood	1600			No Problems
6/11/20	Glenwood	1600			No Problems
6/12/20	(GLV)	1600			No Problems
6/15/20	Glendale (GLV)	2200			No Problems
6/17/20	Glenwood/Glendale side-yard trail line	800		Lots of roots	Blockage before Glendale MH
6/18/20	Glendale to GLV Rd Glenshire to GLV Rd	- 1300			No Problems
6/19/20	Glenshire Rd from Central Rd	- 900		Lots of stone	No major problem
6/22/20	Central Rd storm system from Church to Glenwood	1100			Heavy roots Central Rd needs RR owned by IDOT
6/23/20	3905 Walters		3 Feet of 12"	Washout	Pipe is cracked

Northfield Township Road District Annual Storm Sewer Cleaning and Repair Report

2020

6/24/20	Central Rd Storm from Glenwood to Glenshire Rd	600			Heavy roots Central Rd needs RR owned by IDOT
7/6/20	Central Rd. from Greenwood to Glenshire Rd	1200			Central Rd Storm owned by IDOT needs RR
7/8/20	Prairielawn RD (GLV) Glenview Rd to Knollwood	900			A lot of stone and sand
7/9/20	Prairielawn Rd (GLV) Knollwood to Applegate	1600			A lot of stone and sand
7/13/20	Applegate to Lake Ave. (GLV)	500			Should be televised
7/15/20	Holly Ln, Grove, Knollwood, from Holly to Huber (GLV)	1300			
7/15/20	Linneman St. from Elmdale to Greenwood (GLV)	600			Need to Televis Blockage at driveway
7/16/20	Huber Ln. from Glenview Rd to Grove St. eastside	700			Televising needed Manholes needed For access
7/17/20	Huber Ln. from Glenview Rd.to Knollwood (W side)	1300			Mixed pipe sizes Joint washouts RR storm line
7/30/20	Knollwood (N side) from Huber to GLV limits	800			Slip line main needed Needs televising Joint washouts
7/30/20 7/31/20	Huber (W side) from Knollwood to Lake Ave (GLV)	1600			MH needed 2 nd lot from Lake Ave Joint washouts
7/31/20 8/3/20	Huber (E side) from Knollwood to Lake Ave (GLV)	700			Needs televising Slip line storm Joint washouts
8/5/20	Birchwood from Chestnut to Beechnut (NBK)	1700	Chestnut to Waukegan Rd (NBK) (GBC)		No problems
8/6/20	Birchwood from Beechnut(E) side to Maplewood (NBK)	1300	Beechnut from Birchwood	To Pine-tree (NBK) (GBC)	No problems
8/7/20	Beechnut from Pine- Tree to Cottonwood (NBK) (GBC) (Northbrook)	1600 (Glenbrook	Countryside)		

Northfield Township Road District Annual Storm Sewer Cleaning and Repair Report

2020

8/10/20	Cottonwood from Beechnut to Lake Cook Road (NBK)	1300			No problems
8/11/20	Beechnut to Waukegan Rd (NBK)	500			No problems
8/17/20	1625 Holly Ln Northbrook West Northbrook		48 Feet (6") Storm-line	and culvert replacement	Regrade ditch, and replaced culvert restore parkway
8/19/20	3495 Garden Street Northbrook West Northbrook		26 Feet (10") Storm-line	Driveway apron, culvert replacement	Regrade ditch, and replaced culvert restore parkway/drive
8/24/20 8/25/20	Beechnut to Waukegan Rd Walnut Circle to Waukegan Rd	1700 (NBK) (GBC)			No problems
8/25/20 8/26/20	Maplewood to Pine-tree	1000 (NBK) (GBC)			No problems
8/27/20	Elm Court cul-de-sac to Park/Oakwood	1000	Oakwood and Elm Court	Manholes have a lot of stone	No problem on storm-lines
8/28/20	Elm Court side-yard line to Spruce (GBC)	600	Line is blocked 60 from	Elm Court to middle	Manhole in back-yard Must televise
8/28/20	Spruce line (W side) from Walnut Circle	800	Mixed pipe sizes		Line should be replaced
8/31/20	Walnut / Spruce (GBC) storm-lines	1200	Must be televised		Replacement maybe needed
9/1/20	Walnut Circle to Cottonwood	1000	Oakwood from Elm Crt.	To 1850 Oakwood	Oakwood line ok
9/1/20	Koehling Rd (E cul-de-sac) (GBC)			Replace storm Catch basin	Pavement restored Curb replacement
9/9/20	Oakwood from Cottonwood	1600	To Linden (GBC)		No problems
9/10/20	Oakwood (S side) from Linden	800	"Forest Rd" storm line		Forest Rd drains to Edens spur
9/11/20 9/14/20	Oakwood to "Forest Rd to tollway line"	300	Heavy Roots		Stone and sand roots
9/15/20	Oakwood S side from Cottonwood	1000			
9/16/20	1645 Oakwood 1715 Oakwood	300		Bad offset pipe Repaired line	Root Cutter Stuck in line dig up
9/22/20 9/24/20	1715 Oakwood			Install manhole For access	More MH's needed Parkway restored
9/29/20	1715 Oakwood (S Side)	600			Continue cleaning line No more problem
9/30/20	Oakwood (NBK/GBC)	1300		To end of street	No problems Reported

Northfield Township Road District Annual Storm Sewer Cleaning and Repair Report

2020

10/2/20	Linden (W side)	1200 feet			
10/2/20	Hickory to cul-de-sac	700			
10/2/20	314 Red Oak to	500			Minor roots reported
10/5/20	Walnut Circle	700			
10/6/20	Red Oak (NBK/GBC)	300			
10/7/20	Overlandpass (NBK) Westview Pleasant Run	1600			Pleasant run estates "aka Fire station" No problems

All footage is estimated. Some streets have storm sewers and ditches on both sides of the street.

Total Number of footage root-cut and cleaned approximately 10.98 miles of storm line

Total Number of manholes installed 3

Total number of culverts and driveway aprons replaced 2

Total footage of ditch regrading 74 feet

Total Number of curb sections repaired by street storm drains 3

Street storm grates and ditches are inspected, cleared before and after any major rain event, this is part of our dry visual inspections of the Northfield Township Road District Storm System

Snow was removed street storm grates to avoid freezing conditions from melting snow

This was all done during Covid 19 work restrictions and limited work force



Illinois Environmental Protection Agency

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

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

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

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

Report Period: From March, 2021 To March, 2022

Permit No. ILR40 0098

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

Name: NORTHFIELD TOWNSHIP Mailing Address 1: 237 MELVIN DRIVE

Mailing Address 2: _____ County: Cook

City: NORTHBROOK State: IL Zip: 60026 Telephone: 847-724-7055

Contact Person: Tim Rueckert, Highway Commissioner Email Address: _____
(Person responsible for Annual Report)

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

NORTHFIELD 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:

Tim Rueckert

Printed Name:

6-2-2021

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

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