DANIEL CREANEY COMPANY
CIVIL ENGINEERING CONSULTANTS
Since 1976

March 5, 2020

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. 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 E. Toll
Project Manager

Encl.
cc: Mr. Tim Rueckert, Northfield Township Road Commissioner
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DANIEL CREANEY COMPANY
CIVIL ENGINEERING CONSULTANTS

NORTHFIELD TOWNSHIP
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES FROM MS4
MARCH 2019-MARCH 2020

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.

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

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 2020- MARCH 2021 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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NORTHFIELD TOWNSHIP
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES FROM MS4
MARCH 2019 - MARCH 2020

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 2020-March 2021 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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NORTHFIELD TOWNSHIP
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES FROM MS4
MARCH 2019-MARCH 2020

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 2019.

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 2019 - MARCH 2020 REPORTING PERIOD

1. 11 manhole/catchbasin repairs
2. 1 driveway culvert replacements
3. 24 manhole lid/frame replacement
4. 12 Monthly ditchline/parkway cleaning and mowing.
5. 250' ditchline and driveway restoration
6. 1,615 l.f. storm sewer installed
7. 9 storm point repairs
8. 18 manhole/catchbasin/drain installations/or replacements
9. 3,700 l.f. storm sewer cleaning, root cutting, and water jetting.

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450 Skokie Boulevard, Suite 105
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Northbrook, Il 60062-7909
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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, 2019 To March, 2020

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 ☐
2. Public Participation/Involvement ☐
3. Illicit Discharge Detection & Elimination ☐
4. Construction Site Runoff Control ☐
5. Post-Construction Runoff Control ☐
6. Pollution Prevention/Good Housekeeping ☐

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:

5-13-2020
Date:

Tim Rueckert
Printed Name:

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

IL 532 2565
WPC 691 Rev 6/10

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.

Northfield Township Road District Annual Storm Sewer Cleaning and Repair Report

2019

Date	Address/area work was performed	Footage cleaned Or problem	Linear footage of pipe install	Manhole Repair/replaced	Notes
4-09-19	1040 Prairielawn Glv		New frame & lid	Manhole replacement	Curd/street restoration
4-11-19	1041 Prairielawn Glv		New frame & lid	Manhole replacement	Curb/street restoration
4-12-19	1119 Prairielawn Glv		New frame & lid	Manhole replacement	Curb/street restoration
4-22-19	1116 Prairielawn Glv		New frame & lid	Manhole replacement	Curb/street restoration
4-22-19	2949 Applegate Glv		New frame & lid	Manhole replacement	Curb/street restoration
4-24-19	2929 Applegate Glv		New frame & lid	Manhole replacement	Curb/street restoration
4-25-19	3003 Applegate Glv		New frame & lid	Manhole replacement	Curb/street restoration
4-26-19	1139 Huber Lane Glv	Wash out around manhole	Point repair to main	Repaired manhole	Lateral section of pipe replaced & restoration
4-30-19	1709 Central Nbk		4 feet 8" main replaced		Replaced clay pipe w SDR 26 pipe
5-2-19	Meadow storm-line Nbk	300 feet root-cut	In-between Holly & Central		Roots in storm line Minor blockage
5-3-19	Meadow storm-line Nbk	2100 feet Root cut& flush	Entire Storm-line		Cleaned rest of storm main
5-8-19	1120 Huber Ln Glv	(3) Sink holes on storm line	Pipe joints leaking		Re motored joints and yard restoration
5-10-19	1202 Prairielawn Glv	Sink hole on storm line	Pipe joint leaking		Re motored joint and yard restoration
5-15-19	3004 Knollwood Glv	Dug up wash-out in yard	Leaking into sanitary main		Turned over to sanitary district
5-16-19	1321 Prairielawn Glv		New frame & lid	Manhole resealed/repair	Curb/street restoration
5-17-19	1312 Prairielawn Glv		New frame & lid	Manhole resealed/repair	Curb/street restoration
5-20-19	1326 Prairielawn Glv		Frame & lid adjustment	Manhole resealed/repair	Curb/street restoration
5-22-19	2940 Applegate Glv			Manhole resealed/repair	Curb/street restoration
5-23-19	1127 Holly Crt Glv	Replacement of Holly storm line system begins	New lid	New catch-basin installed	Yard restoration
5-29-19	1127 Holly Crt 2943 Knollwood Glv	Replacement of 10" storm under Holly Court	42 feet 10 inch SDR 26 pipe	Removed existing broken pipe	Street restoration

Northfield Township Road District Annual Storm Sewer Cleaning and Repair Report

2019

Date	Address/area work was performed	Footage cleaned or problem	Linear footage of pipe install	Manhole repair/replaced	Notes
5-30-19	2943 Knollwood Glv	Replace existing storm line	50 feet 12 inch SDR 26	Manhole replacement	Yard restoration
5-31-19	2943 Knollwood Glv	Replace existing storm line	70 feet 10 inch SDR 26		Yard restoration driveway restoration
6-1-19	Linneman storm line Glenwood/Glendale	300 feet storm line cleaned			Storm line blockage
6-3-19 6-26-19	Holly storm line replacement Glv		500 feet 10 inch SDR 26	7 manholes installed	yard and street restoration
6-26-19	Holly storm line totals	662' Storm-line replaced	10 manholes replaced	(2) driveway aprons replaced	(3) street crossings (4) Yard restoration
6-27-19 6-28-19	2064 Walnut Circle Nbk	replace 8 inch storm line	126 feet 8 inch SDR26 pipe	Manhole installed	
7-15-19	212 Hickory Court 216 Hickory NBK	Replace 8 inch storm line	35 feet 8 inch SDR 26 pipe		Driveway yard restoration
7-16-19	1632 Oakwood Nbk	Washout on storm	Repair joint		Yard restoration
7-16-19 7-17-19	3735 Maple Ave Nbk			Manhole replacement	Yard restoration
7-23-19 7-24-19	3825 Maple Ave Nbk	Replace storm line	Maple back yard line	Street crossing	Street and yard restoration
7-25-19 7-31-19	124 Chestnut thru 131 Chestnut Nbk	Replace store line	89 feet	Manhole installed	Street, driveway, and yard restoration
8-9-19	3487 Whirlaway Dr. Nbk	New frame and lid replacement		Tuck pointed manhole	Curb street restoration
8-12-19	3488 Whirlaway Nbk	New frame and lid replacement		Tuck point manhole	Curb and street restoration
9-23-19	1817 Holly Nbk	2 washouts on storm-line	Point repair storm line	New catch-basin installed	Yard restoration
9-27-19	1865 Western Ave 1757 Western Ave	1000 feet	Storm line cleaning	Northbrook West	Line clear
11-04-19 11-08-19	**Citation Lake Subdivision NBK**	**(46) storm manholes &**	**Curb catch-basin**	**All curbs/drains marked**	**Drains to Lake/ No Dumping (IEPA)**
11-14-19	610 Elmdale Glv	washout	Point repair storm-line		Joint separation
4-2019 11-2019	Monthly ditch-line mowing	Maple Ave NBK	250 feet regraded	ditch-line	
12-31-19 TOTALS	FOOTAGE OF LINES CLEANED	**3,700 feet**	FOOTAGE OF LINE REPLACED	**1,615 feet sewer replaced**	**(24)** manhole frame and lids replaced
	MANHOLES/CB'S REPAIRED	**11 repaired tuck pointed MH's**	(#) POINT REPAIRS MAIN	**9 point repair to storm-lines**	***All repairs required yard, street, curb***
	New manholes/CB's installed	**18 manholes replaced**	Footage of ditch-line work	**250 Feet**	***And driveway restorations***

Northfield Township Road District Annual Storm Sewer Cleaning and Repair Report

2019

Northfield Township Road District has issued (9) construction permits in accordance with our drainage policy of detention and the latest MWRD requirements for storm water run-off. This practice includes the installation of water gardens, underground detention system with water filtration.

Monthly mowing and ditch cleaning with-in the township boundaries. Monthly cleaning and inspection of curb drains before and after a rain storm.

Marked (46) storm drain locations in Citation Lake Subdivision "Drains to Lake, with fish symbol, No Dumping"

We have replaced 18 manholes, repaired 11 manholes, replaced 24 manhole frames and lids, cleaned 3,700 feet of storm-lines, replaced 1,615 feet of defective storm –line, regraded 250 feet ditch line.

Northfield Township Road District continues to be a member of the Des Plains and North Branch of the Chicago water sheds.

We continue to work with the MWRD in phase two flooding projects. Central road project in Glenview, the Techny Road Corridor project in Northbrook.

Wally Kehr

Northfield Township Road District Foreman

January 6, 2020