



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, 1016 To March, 2017

Permit No. ILR40 400396

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

Name: City of Naperville Mailing Address 1: 400 S. Eagle Street
Mailing Address 2: _____ County: DuPage
City: Naperville State: IL Zip: 60540 Telephone: 630-420-6704
Contact Person: William J. Novack Email Address: Novackw@naperville.il.us
(Person responsible for Annual Report)

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

City of Naperville

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:
William J. Novack

Printed Name:

5/4/17
Date:
Director of T.E.D.

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 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.

**CITY OF NAPERVILLE
NPDES PHASE II
ANNUAL REPORT
YEAR 1**

A. Changes to Best Management Practices

In year 1 the city maintained City Stormwater Plan information on the city website. This document as well as all other ILR40 General Permit requirements is available on the city website.

1. Public Education and Outreach – **None**
2. Public Participation/Involvement – **None**
3. Illicit Discharge Detection & Elimination – **None**
4. Construction Site Runoff Control – **None**
5. Post-Construction Runoff Control – **None**
6. Pollution Prevention/Good Housekeeping – **None**

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 minimum control measures.

Best Management Practices:

BMP No. A1-Distributed Paper Material, A2-Speaking Engagement, A3-Public Service Announcement, A4-Community Event, A5-Classroom Education Material, A6-Other Public Education

Co-permitted with DuPage County.

BMP No. B.1-Public Panel, B.3-Stakeholder Meeting

Co-permitted with DuPage County.

BMP No. B.4-Public Hearing

Co-permitted with DuPage County.

BMP No. B.5-Volunteer Monitoring

Co-permitted with DuPage County.

BMP No. B.6-Program Coordination

Co-permitted with DuPage County.

BMP No. C.1-Storm Sewer Map Preparation

Measurable Goal(s), including frequencies:

Co-permitted with DuPage County.

Year 1 Milestones:

In year 1 the city worked with DuPage County to maintain the accuracy of mapping.

Completed tasks in Year 1:

Minor updates were made to the mapping as anticipated.

BMP No. C.2-Regulatory Control Program

Measurable Goal(s), including frequencies:

Co-permitted with DuPage County.

Year 1 Milestones:

Review the effectiveness of the program by evaluating how well the cooperating permit holders have communicated and exchanged information.

Completed tasks in Year 1:

During Year 1, the City of Naperville continued to be a Full Participant in the county's IDDE program. The City remains fully committed to working cooperatively with the County as issues arise. The city maintains an intergovernmental agreement with DuPage County enabling Dupage to manage IDDE efforts in the Naperville outfalls located in Will County.

BMP No. C.3-Detection/Elimination Prioritization Plan

Measurable Goal(s), including frequencies:

Co-permitted with DuPage County. Priority outfalls will be prioritized in steps following the County plan.

Year 1 Milestones:

2 steps (1&2)

Completed Tasks in Year 1:

Co-permitted with DuPage County, who continues to sample and monitor the outfalls throughout the county and implement steps.

This year the City also investigated Four (4) suspected illicit discharges: 16-001: Addison Apartments, Fairway Drive; 16-002: Heatherfield Development; 16-003: 821 Auburn; 16-004 – Riverwalk Dental. All incidents were reported via concerned residents, were coordinated with DuPage County and the IEPA and remedied by the responsible party.

BMP No. C.5 -Illicit Source Removal Procedures

Measurable Goal(s), including frequencies:

Co-permitted with DuPage County.

Year 1 Milestones:

Continue tracing any illicit discharges detected. Review the outcomes of the illicit dischargers that were detected the previous year. Enforce the removal of illicit discharges. Publicize educational materials with Dupage County.

Completed tasks in Year 1:

During Year 1, the City of Naperville continued to be a Full Participant in the county's IDDE program. The City remains fully committed to working cooperatively with the County as issues arise. The city maintains an intergovernmental agreement with DuPage County enabling Dupage to manage IDDE efforts in the Naperville outfalls located in Will County.

BMP No. C.7-Visual Dry Weather Screening

Measurable Goal(s), including frequencies:

Co-permitted with DuPage County.

Year 1 Milestones:

Screen 10% of selected outfalls

Completed tasks in Year 1:

During Year 1, the City of Naperville continued to be a Full Participant in the county's IDDE program.

BMP No. C.8-Pollutant Field Testing

Measurable Goal(s), including frequencies:

Co-permitted with DuPage County. Conduct monitoring for the following chemical parameters when visual characterization of the discharge indicates an illicit nature: surfactants, ammonia, potassium, fluoride, conductivity, and PH. The city will evaluate and seek to move to a regional wide NOI with DuPage County as applicable.

Year 1 Milestones:

Monitor 50% of selected outfalls

Completed Tasks in Year 1:

Co-permitted and coordinated with DuPage County. The DuPage County report will include the details of the dry weather survey, adding Naperville outfall in Will County.

BMP No. D.1-Regulatory Control Program

Co-permitted with DuPage County.

BMP No. D.2-Erosion Control and Sediment Control BMPs

Measurable Goal(s), including frequencies:

Update Naperville practices as county BMP guidance resources evolve.

Year 1 Milestones:

Adjust Naperville regulations as appropriate.

Completed Tasks in Year 1:

No adjustments identified.

BMP No. D.4-Site Plan and Review Procedures

Measurable Goal(s), including frequencies:

The Engineering Team reviews the plans in concert with the city's Development Review Team. The entire Development Review Team meets weekly to review the status of projects and discuss issues surrounding various projects. All new development projects are brought before the entire Engineering Team for everyone's comments and background knowledge. As new engineers are brought into the Engineering Team they are trained.

Year 1 Milestones:

Continue Engineering Team review of construction plans and provide training and checking of any new Engineering Team members. Review permits at pace of submittals.

Completed Tasks in Year 1:

The Development Review Team and Engineering Team continued their coordinated weekly meetings and review of projects.

BMP No. D.6-Site Inspections/Enforcement Procedures:

Measurable Goal(s), including frequencies:

As new members are added to the Code Enforcement Team they are cross trained by their peers. However in the upcoming period we will include an overall training on soil erosion and sedimentation control so the entire group has refreshed and up-to-date training.

Year 1 Milestones:

Continue with site inspections and Code Enforcement practices.

Completed tasks in Year 1:

In addition to using site inspectors and Code Enforcement officers to evaluate construction site erosion compliance and corrective action, we utilize Engineering Technician during the project administration phases to monitor and control surety and project close-out. Unannounced spot inspections at randomly selected sites are also conducted at work sites, the owners were notified of deficiencies and follow up was conducted. There were two new member of the technical and inspection team this last year. The new staff were trained on site plan review and the DuPage County Stormwater, City and Will County Ordinances. In addition, the team upgrades training associated with the inspection and enforcement processes included in the city's stormwater plan. Improvements were made to scheduling, record keeping, inspections, and site audits.

BMP No. E.3-Long Term O&M Procedures

Measurable Goal(s) including frequencies:

The older facilities that have been in place for many years do not have recurrence periods for inspections. The City has learned of problems in the past either through calls for assistance from the responsible party or based on complaints from residents or business owners. The City will continue to provide assistance to those responsible parties but will also look into better educating the parties, especially the residential homeowner associations and the maintenance that is addressed by that party. In most of the legal documents, the city has the right, but not the obligation, to perform maintenance if it is not performed by the party after proper notification by the city with the city being reimbursed for their costs.

Year 1 Milestones:

Continue to enforce the provisions of the development agreements and plats and work with the responsible parties to address long-term issues.

Completed tasks in Year 1:

During Year 1 the Department of Public Works and the TED Business Group has responded to numerous site drainage concerns. The City and homeowners associations know their responsibilities and work well together to make sure the drainage systems function as intended to provide flood risk reduction and water quality management. The Public Works Department developed a program to create floating wetlands to promote improved water quality.

BMP E.4-Preconstruction Review of BMP Designs

Measurable Goal(s), including frequencies:

The DuPage County Water Quality Best Management Practices Technical Guidance Document (BMP Manual) will provide guidance on the design and implementation of development practices that prevent stormwater quality degradation and enhance the overall quality of stormwater. The BMP manual will promote and give guidelines on the installation of vegetated filter strips, vegetated swales, infiltration systems, permeable pavers, manufactured structures, and stormwater detention BMPs such as dry detention basins, wet detention basins, constructed wetland detention basins and underground detention basins. Revisions to the Stormwater Ordinance will more clearly require new developments in DuPage County to incorporate BMPs into their design that will treat all runoff. Further, a water quality fund will be set up to accept fees from applicants who are unable to incorporate BMPs. The water quality fund will be used to fund water quality projects that would not otherwise be required under the Stormwater Ordinance, such as planting an eroding detention basin with native vegetation, restoring a wetland, or stabilizing a streambank. Revisions will also be made to more clearly require that a security is collected to aid in the enforcement of the proper construction and maintenance of BMPs.

Year 1 Milestones:

Have city staff trained in the review and design of PCBMP's. Continue to enforce the new Stormwater Ordinance provisions.

Completed tasks in Year 1:

Staff continued training efforts to improve review practices.

- November 30, 2016 - Dupage County Stormwater - NPDES Technical Session; Green Infrastructure Design and Construction for MS4 Communities
- Dupage River Salt Creek Workgroup - Technical Sessions; 12/9/15; 2/24/16; 4/27/16; 6/22/16; and 8/31/16
- Dupage County Municipal Engineers Group - Technical Sessions; 1/7/16; 2/4/16; 3/3/16; 4/5/16; 5/5/16; 6/9/16; 11/3/16
- January 19, 2017 - Hydraulic Performance of Detention Basin Pond Outlet Structures
- February 2, 2017 - Introductory Hydrology & Hydraulics, Buried Thermoplastic Structures and Pipes
- February 28, 2017 - Dupage County Stormwater - Green Infrastructure Workshop

BMP No. E.5-Site Inspections During Construction

Measurable Goal(s), including frequencies:

During this five-year permit phase, Naperville will ensure that all inspection staff recognize inappropriate construction site discharge and proper regulatory procedures for amending the violation. Incidents of Non-Compliance may be issued for a site if the infraction meets the reporting criteria.

Year 1 Milestones:

Continue to conduct regular site inspections during construction. Conduct staff training on recognizing inappropriate discharge from a construction site.

Completed tasks in Year 1:

During Year 1 city staff continued to perform regular site inspections to ensure compliance with erosion and sediment control.

BMP No. E.6-Post Construction Inspections

Measurable Goal(s), including frequencies:

Follow Dupage County and City ordinance requirements.

Year 1 Milestones:

Continue to offer employee training on-site inspections.

Completed tasks in Year 1:

The team upgrades training associated with the inspection and enforcement processes included in the city's stormwater plan. Improvements were made to scheduling, record keeping, inspections, and site audits. The included a training session on November 15, 2016 for site inspectors and program managers.

BMP No. F-1-Employee Training Program

Measurable Goal(s), including frequencies:

Members of the City's Department of Public Works attend the American Public Works Association (APWA) training classes and expositions. In 2006, the City of Naperville's Department of Public Works became an Accredited Department by APWA. The accreditation speaks for the professionalism and training that takes place in the department.

Year 1 Milestones:

Continue individual employee training and work to retain department accreditation.

Completed tasks in Year 1:

During Year 1 the Department of Public Works, the TED Business Group, The Public Utility Departments of Water and Electric used a NPDES training video to educate employees and contractors about NPDES. TED staff also attended training provided by DuPage County and distributed the video of those sessions.

BMP No. F.2-Inspection and Maintenance Program

Measurable Goal(s), including frequencies:

The Public Works Department currently inspects and maintains the MS4 on an as-needed complaint basis, which is tracked by a database program called City Works. Public Works will implement a routine preventive maintenance program for long-term maintenance of the MS4 in the future. In addition, the Department of Public Utilities has one wastewater treatment plant which treats the city's sewage and the remnants of sludge from the sewage.

Year 1 Milestones:

Continue good housekeeping practices and proper operation of the Springbrook Water Reclamation facility.

Completed tasks in Year 1:

The Department of Public Works continued maintaining the system based on both complaint and historical basis, knowing certain areas required more frequent maintenance than others and proactively conducting that maintenance before problems arose. The Department of Public Utilities continued proper operations of the Springbrook Water Reclamation facility.

BMP No. F.3-Municipal Operations of Stormwater Control

Measurable Goal(s), including frequencies:

The city has completed mapping the City's storm sewer system. The city has been consolidating data with DuPage County as well. Work to maintain the mapping in up-to-date condition will continue.

Year 1 Milestones:

The Department of Public Works and the Engineering Team will continue to meet to discuss maintenance and operation of the city's storm sewer system.

Completed tasks in Year 1:

Continued update of the system operation occurred in Year 1.

In Year 1, during the 2016/17 winter season, the city used approximately 8,500 tons of salt. Staff has reduced road salt usage by lowering the application rates for the salt when possible. Under certain circumstances, only hills, curves, intersections, arterials, and Priority 1 streets (collector and neighborhood connector roadways) have been salted. Procedures have also been modified to postpone application of salt to residential side streets until after snow plowing has been completed under certain conditions. As a result, although residential streets may not be completely free of snow and ice, they will be safe and passable based on the traffic volume for vehicles driving at a reasonable speed for the conditions.

BMP No. F.4-Municipal Operations and Waste Disposal

Measurable Goal(s), including frequencies:

In October 2008 the Department of Public Works moved into a new facility at Jefferson Avenue and Fort Hill Drive. The facility includes many environmental friendly designs such as bio swales and native vegetation in the stormwater management facility. Temporary storage of materials before being disposed of may occur at this site with the BMPs acting as an additional environmental barrier.

The City of Naperville also has and operates a Household Hazardous Waste Drop-off facility. The city has numerous agreements with the State of Illinois, the counties and nearby municipalities to help co-fund this facility. Residents, even those well beyond the borders of the City of Naperville, can come to this facility and drop off household hazardous waste at no cost. This facility is located at Fort Hill Drive next door to the Public Works Facility.

Year 1 Milestones:

Continue to own and operate the City's Household Hazardous Waste drop-off facility.

Completed tasks in Year 1:

In Year 1, residents with an interest in recycling organics such as food scraps can rent either a 64-gallon or a 96-gallon yard waste cart for an annual fee. Residents choosing to utilize this service can place all of their yard waste and food waste in the provided cart, thereby diverting more waste away for the landfill.

BMP No. F.5-Flood Management/Assess Guidelines

Measurable Goal(s), including frequencies:

Corrections and updated DFIRM maps and the dual-county issues will be resolved.

Year 1 Milestones:

Corrected and updated DFIRM maps will be processed by FEMA

Completed tasks in Year 1:

Staff coordinated with data review with FEMA.

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

The DuPage River Salt Creek Working Group collects monitoring data for the DuPage County area.

D. Attach a summary of the stormwater activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

Refer to the NOI for activities that the City of Naperville will undertake during Year 2.

E. Attach notice that you are relying on another entity to satisfy some of your permit obligations.

The City of Naperville co-permitted with DuPage County, per resolution No. 03-15. The City of Naperville is also an active member of the DuPage River Salt Creek Working Group.

F. Attach a list of construction projects that your entity has paid for during the construction period.

PROJECT	LOCATION	DESCRIPTION
2016 Maintenance Improvement Program (MIP)	Various Locations	Roadway reconstruction and rehabilitation
2016 Sidewalk Gap Filling Program	Various Locations	Sidewalk construction
2016 ADA Sidewalk Removal and Replacement Program	Various Locations	Sidewalk construction
Route 59 Improvements	IL Route 59 from Ferry Road to New York Street/Aurora Avenue	Complete roadway reconstruction and widening to a six lane cross section along the entire route
Washington Street Pedestrian Bridge	Washington south of Ring	Bridge Widening
Water Street Reconstruction	Water and Webster Streets	Reconstruction of a 25' wide roadway
Charles Avenue Improvements	Charles Avenue between Ogden and Bauer	Widening and resurfacing