



# **City of Evanston**

## **ANNUAL FACILITY INSPECTION REPORT**

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

**March 1, 2016 – March 31, 2017**

*May 15, 2017*

**City of Evanston**  
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**1. INTRODUCTION**

The City of Evanston received a General National Pollutant Discharge Elimination System (NPDES) Permit for Discharges from Municipal Separate Storm Sewer Systems (MS4) in order to operate a separate storm sewer system. The permit renewal was effective April 1, 2014. As a condition of the permit, the City must complete an annual facility inspection report. This report is for the reporting period of March 1, 2016 – March 31, 2017.

During this reporting period, the City continued promoting the use of Best Management Practices (BMPs) in order to protect the storm sewer system and the receiving waters of the North Branch of the Chicago River and Lake Michigan. The City's BMPs were outlined in the original Notice of Intent submitted in 2013. This report includes an update of compliance with those BMPs. It also includes a look-ahead of BMPs to be implemented during the next reporting period.

Overall, the City has been successful in implementing a comprehensive program of storm water BMPs during the reporting period across all six of the minimum compliance areas. The City will continue to build on these successes as it moves forward into the next reporting period.

**2. CHANGES TO BEST MANAGEMENT PRACTICES**

During the reporting period of March 1, 2016 – March 31, 2017, no specific changes to the Best Management Practices were implemented. For future reporting periods beginning with March 1, 2017, changes are anticipated. These are outlined further in Section 5 – Key Storm Water Activities for 2016 – 2017.

**3. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS**

The City of Evanston has implemented numerous Best Management Practices in compliance with the goals outlined in the City's 2013 Notice of Intent. A status summary for each of the goals in the six minimum compliance areas is included as Exhibit A.

#### 4. SUMMARY OF COLLECTED INFORMATION

The City of Evanston has collected information and monitoring data as part of the City's Annual Dry Weather Inspection, implemented under Minimum Compliance Area 3 – Illicit Discharge Detection Program. The City has 18 storm sewer outfalls, and these outfalls are inspected annually to determine if there is dry weather flow occurring. Dry weather flow can be indicative of an illicit discharge into the storm sewer. All storm sewers in the City discharge to the North Branch of the Chicago River unless otherwise noted. The 2016 annual inspection information is summarized in Table 4.1.

<b>Table 4.1 Annual Dry Weather Flow Summary</b>						
Inspector: Campbell				End Date of Last Rain: 10/4/2016		
Inspection Date: 10/10/2016				Weather: Dry		
Outfall No.	Location	Outfall Flowing		Floatables		Notes
		Yes	No	Yes	No	
S01	Isabella St – East (60")		X		X	Light flow (just water)
S02	Isabella St – West (12")		X		X	
S03	Central St – West (24")		X		X	
S04	Lincoln St – East (12")		X		X	
S05	Lincoln St – West (42")		X		X	
S06	Bryant Ave – East (42")		X		X	
S07	Jackson Ave – West (36")	X			X	Light flow (just water)
S08	Poplar Ave – West (48")	X			X	Light flow (just water)
S09	Dodge Ave – West (36")	X			X	Light flow (just water)
S10	Bridge St – West (54")		X		X	
S11	Bridge St – East (54")		X		X	
S12	Simpson St – West (30")		X		X	
S13	Martha Ln – West (24")		X		X	
S14	Greenleaf St – East (30")		X		X	
S15	Cleveland St – East (60")	X			X	Light flow (just water)
S16	Roslyn Pl @Lake Mich. (15")		X		X	
S17	Milburn St @ Lake Mich. (27")		X		X	
S18	Lincoln St @ Lake Mich. (12")		X		X	

An analysis of the data indicates that no illicit discharges were occurring at the time of the inspection. Flow in the storm system consisted of clear water only.

## 5. KEY STORM WATER ACTIVITIES FOR 2016– 2017

The City of Evanston is proposing several Best Management Practices (BMPs) for the 2016 – 2017 reporting period in compliance with our 2014 MS4 Notice of Intent Permit Application. These activities and the schedule for implementation are listed in Table 5.1.

<b>Table 5.1 Key Storm Water Activities for 2016– 2017</b>			
<b>BMP Program</b>	<b>BMP</b>	<b>Measureable Goal</b>	<b>Schedule for Implementation</b>
<b>A. PUBLIC EDUCATION AND OUTREACH</b>			
A.1 Distributed Paper Material	Use Evanston Life, a City-issued magazine, to provide storm water mgmt.. information to residents	3 publications/year	On-going
	Develop brochures to educate residents on good stormwater management practices for homeowners	1 new publication/year	March 2018
	Utilize Utility Bill to provide information on stormwater management to all property owners	1 communication/year	On-going
A.2 Speaking Engagement	Provide speakers at community meetings to foster stormwater discussion and raise public awareness	1 event/year	TBD
	Hold classes on good stormwater management practices for homeowners	2 classes/year	Summer 2017
A.3 Public Service Announcements	Provide website information on residential waste management	2 website updates/year	On-going
	Provide information to residents on stormwater management practices using e-newsletter	1 newsletter/year in English 1 newsletter/year in Spanish	Summer 2017
A.4 Community Events	Earth Day/Arbor Day Celebration – include citywide cleanup event	1/year	April 22, 2017
	Recycling Fair	1/year	July 14, 2016
	Green Living Festival	1/year	Sept 27, 2016
A.5 Classroom Education	After-school programming on good stormwater management practices targeted to low-income youth	1/year	Ongoing
	Increase participation in Urban Forestry Program, Great Lakes Program, and other related school programming	Increase number of students participating/year	Ongoing
A.6 Other Public Education	Provide outings covering good environmental practices for youth groups, such as scouts	Develop 2 programs	March 2016
	Use Tap Water Station to provide tap water at community outdoor events to reduce pollution from bottled water use and provide education	10 events/year	On-going
<b>B. PUBLIC INVOLVEMENT AND PARTICIPATION</b>			
B.5 Volunteer Monitoring	Illinois River Watch – Engage public in monitoring the water quality for the North Shore Canal	Develop 3 kits for public use 1 promotion/year soliciting volunteers	March 2018

**Table 5.1 Key Storm Water Activities for 2016– 2017**

<b>BMP Program</b>	<b>BMP</b>	<b>Measureable Goal</b>	<b>Schedule for Implementation</b>
B.4 Public Hearing	Increase volunteer involvement in TreeKeepers, a program that trains residents in the monitoring and care of public and private trees	Increase the number of trained TreeKeepers/year	Ongoing
B.6 Program Involvement	Friends of the Chicago River – North Shore Canal clean-up events	1 cleanup event/year	May 10, 2014
	North Shore Canal and Lake Michigan habitat restoration events for public	4 restoration events/year	March 2015
	North Shore Canal and Lake Michigan habitat restoration events for youth	2 restoration events/year (general youth) 2 restoration events/year (low-income youth)	March 2015
B.7 Other Public Involvement	Update existing Climate Action Plan that set goals for the establishment of the City's BMPs for sustainable practices	1 update/5-year permit period	On-going
	Increase special waste collection	4 locations	Ongoing
	Increase volunteer opportunities for environmental/ stormwater management activities	Increase hours/year	Ongoing
<b>C. ILLICIT DISCHARGE DETECTION AND ELIMINATION</b>			
C.1 Storm Sewer Map Preparation	Maintain accurate storm sewer map in GIS	1 update/year	Up dated as needed
C.2 Regulatory Control Panel	Maintain City Code that prohibits illicit connections	1 update/year	Ongoing
C.3 Detection/ Elim. Prioritization Plan	Illicit Discharge Inspection Program	Maintain ongoing program	Ongoing
C.4 Illicit Discharge Tracing Procedures	Illicit Discharge Tracing Program	100% of illicit connections traced to source	As needed
C.5 Illicit Source Removal Procedures	Illicit Discharge Elimination Program	100% of known illicit connections eliminated	As needed
C.7 Visual Dry Weather Screening	Dry weather screening of storm sewers	100% of storm sewer outfalls inspected/year	Summer 2015
<b>D. CONSTRUCTION SITE RUNOFF CONTROL</b>			
D.1 Regulatory Control Program	Construction runoff mitigation ordinance	Complete within 1 year of Metropolitan Water Reclamation District adopting an ordinance for Cook County	Ongoing
D.4 Site Plan Review Procedures	Site Plan and Appearance Review Committee	Schedule a minimum of 2 meetings/month to review projects under development	Ongoing
	Include review of stormwater management practices during construction as part of the building plan review process	100% of sites greater than 5,000 sq ft reviewed	Ongoing
D.6 Site Inspection/ Enforcement Procedures	Implement site inspection of construction sites for stormwater management	Implement by 2014	Ongoing
	Ongoing review of construction site compliance and inspections	2 meetings/year	April 2016, Oct 2016
<b>E. POST-CONSTRUCTION SITE RUNOFF CONTROL</b>			

**Table 5.1 Key Storm Water Activities for 2016– 2017**

<b>BMP Program</b>	<b>BMP</b>	<b>Measureable Goal</b>	<b>Schedule for Implementation</b>
E.1 Community Control Strategy	Evaluate all public works projects during the planning phase to determine if it is appropriate to incorporate green infrastructure	100% of projects evaluated	Ongoing
	Increase funding on public projects to improve stormwater management in the public way	Budget \$150,000/year	December 2014
	Increase public awareness of green infrastructure by installing green infrastructure in local pilot projects	1 pilot project/year as funding is available.	Ongoing
	Track the percentage of City-owned lands that are maintained as green-space	Initial calculation by 2014 Update 1/year after initial calculation	Ongoing
E.3 Long-Term O&M Procedures	Annual Inspection of Stormwater Detention Facilities	98% of stormwater detention facilities inspected per year	Summer 2016
E.4 Pre-Construction Review of BMP Designs	Review of private building projects with potential stormwater impacts prior to issuance of building permits for compliance with City stormwater ordinance	100% review of projects with stormwater impacts	Ongoing
	Provide stormwater management design information to developers	Complete by 2014	December 2014
E.6 Post-Construction Inspections	Stormwater Detention Construction Inspection	100% of projects with stormwater requirements inspected	Ongoing
<b>F. POLLUTION PREVENTION/ GOOD-HOUSEKEEPING</b>			
F.1 Employee Training Program	All Public Works and Utilities field staff to receive annual training on good stormwater management practices	80% of field staff trained/year	Ongoing
F.2 Inspection and Maintenance Program	Every street cleaned periodically to keep dirt and debris out of storm sewer system	<b>Each residential street cleaned once per month. Main streets twice per month. Season extended to include March and December to capture more organic waste</b>	<b>Street Cleaning program now begins in March of 2016 and will end December of 2016</b>
	Catch Basin and Storm Sewer Cleaning Program	30% of sewers and catch basins cleaned/year	Ongoing
F.3 Municipal Operations Storm Water Control	Continue to use salt more efficiently. Use liquid de-icers and anti-icing to reduce granular salt	Decrease tons salt used/inches of snow annually	Ongoing
F.4 Municipal Operations Waste Disposal	Provide internal City recycling programs	Increase tons/year of recyclables collected	Ongoing
F.6 Other Municipal Operations Controls	Develop Operations and Maintenance Plans for City Facilities	Complete plan for 1 additional facility/year	June 2017

## 6. NOTICE OF COORDINATION WITH OTHER GOVERNMENT ENTITIES

The City of Evanston works with the Metropolitan Water Reclamation of Greater Chicago (MWRD) as part of the Illicit Discharge Detection and Removal Ordinance. The City does not rely on other government entities to otherwise meet the MS4 permit obligations.

## 7. STORM WATER IMPROVEMENT PROJECTS DURING 2016 – 2016

The City of Evanston funded several storm water improvement projects during the 2014 – 2015 reporting period. These projects are summarized in Table 7.1.

<b>7.1 Storm Water Construction Projects for April 1, 2016 – March 31, 2017</b>			
<b>Project</b>	<b>Stormwater Improvements</b>	<b>Completion Date</b>	<b>Stormwater Improvement Funding</b>
Davis Street	-Permeable pavement in parking lanes	May 2017	\$9,000
Reba Street, Monroe Street Alley	Porous Pavement in Alley	Oct 2106	\$50,000

**Exhibit A**

**Compliance with Permit Requirements**

**March 1, 2016 – March 31, 2017**