



Jonathan J. Dykstra, CFM
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June 1, 2018

Project No.: 18-R0770.BV

Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
P.O. Box 19276
Springfield, IL 62794-9276

RE: Village of Bridgeview
NPDES Permit MS4 Annual Report – **Reporting Cycle 2017-2018**
Permit No. ILR40 - 0301

Dear Sir/Madam:

Enclosed please find the following items in regard to the NPDES Permit for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4) for the Village of Bridgeview:

- MS4 Annual Facility Inspection Report for 2017-2018
- Summary and Schedule of Proposed Best Management Practices
- Attachment 1 (summarizing status of Minimum Control Measures)
- Various Attachments supporting Minimum Control Measures

This documentation has also been emailed to epa.ms4annualinsp@illinois.gov. If you have any questions, please call me at (708) 210-5678.

Very truly yours,

ROBINSON ENGINEERING, LTD.


Jonathan J. Dykstra, CFM
Senior Water Resources Engineer

JJD/
06-01-18_BV_IEPA-COVER

Encl.

xc: Mike Porfirio, Director of Public Works – Village of Bridgeview
William Green, Lead Maintenance Worker – Village of Bridgeview
Jay Patel – IEPA-Des Plaines office
Carrie Pintar – REL (Email only)



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, 2017 To March, 2018

Permit No. ILR40 0301

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

Name: Village of Bridgeview Mailing Address 1: 7500 S. Oketo Avenue
Mailing Address 2: _____ County: Cook
City: Bridgeview State: IL Zip: 60455 Telephone: 443-254-1480
Contact Person: Mike Porfrio Email Address: mporfrio@villageofbridgeview.com
(Person responsible for Annual Report)

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

Cook County

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:

Mike Porfrio

Printed Name:

5-31-18
Date:
Director of Public Works
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 2585
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.

Village of Bridgeview

NPDES Permit No. ILR40 0301

Annual Facility Inspection Report Attachment 1

**Year 15
March 2017 to March 2018**

June 1, 2018

Content:	Page Number:
Attachment Title Page	1
Item A: Description of Changes to BMPs	2
Item B: Status of compliance with permit conditions and assessment of minimum control measures	2
Item C: Results of information collected and analyzed, monitoring data (if any).	6
Item D: Summary of stormwater activities you plan to undertake during the next reporting cycle (and implementation schedule).	6
Item E: Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).	6
Item F: List of construction projects that your entity has paid for during the reporting period.	6
Sample Documentation for Minimum Control Measures	7+

Any questions or comments regarding this report shall be directed to either of the following:

Mr. Mike Porfirio, Village of Bridgeview Public Works Director
708-594-2525 or mporfirio@villageofbridgeview.com

Mr. Jonathan J. Dykstra, Robinson Engineering
708-331-6700 or jdijkstra@reltd.com



Village of Bridgeview, NPDES Permit No. ILR40 0301
Annual Facility Inspection Report - Supplemental Information
March 2017 to March 2018
June 1, 2018

Item A: Description of Changes to BMPs

The following changes have been made in Village BMPs for the next reporting cycle:

No changes this cycle. The Village last updated its Storm Water Management Program (SWMP) on 6/1/18 with some minor revisions and corrections.

**Item B: Status of compliance with permit conditions
and assessment of minimum control measures**

The Village believes that the BMPs completed within the reporting period are appropriate for the permit conditions. The status of each BMP is as follows:

A. Public Education and Outreach

1. A1: Distributed Paper Material (Newsletter)

The Village's Newsletter has been used to reach out to residents and businesses about a variety of topics (see enclosed samples). Articles or information appear several times throughout the cycle. Several sample newsletters are included highlighting village cleanup days. *Newsletters allow for "fair" access and are available to all in the community.*

2. A4: Community Events (Annual Cleanup Days)

The Village held its twice annual Village-wide Cleanup Days in the spring (April 2017) and fall (September 23 & 30) of 2017. All residents can participate so this is offered "fairly" to all in the community. The next cleanup days are scheduled for April 28 and May 5, 2018. See enclosed newsletter information. This BMP coincides with BMP B7.

3. A6: Other Public Education (Website)

The Village Website is used to post information for Public Works throughout the reporting cycle (samples enclosed).

B. Public Participation and Involvement

4. B4: Public Hearing (Meeting)

The Village last held an informational Public Hearing during the previous reporting cycle on May 18, 2016. At this meeting, the status of the Village's compliance with NPDES Phase II was reported. The next public meeting is planned for the next reporting cycle.

5. **B7: Other Public Involvement (Annual Cleanup Day)**

The Village held its twice annual Village-wide Cleanup Days in the spring (April 2017) and fall (September 23 & 30) of 2017. All residents can participate so this is offered "fairly" to all in the community. The next cleanup days are scheduled for April 28 and May 5, 2018. See enclosed newsletter information. This BMP coincides with BMP A4.

C. Illicit Discharge Detection and Elimination

6. **C1: Storm Sewer Map Preparation**

The Village has an up-to-date Storm Sewer Map on which the outfalls are numbered and storm sewer sizes are included with lengths to scale. The map was not updated during the cycle, but will be reviewed during the next for possible updates.

7. **C2: Regulatory Control Program (Ordinance)**

The Village has an ordinance (Article 13) related to Illicit Discharge Detection and Elimination, and relies on a similar ordinance available from the Metropolitan Water Reclamation District of Greater Chicago (MWRD) for enforcement.

8. **C7: Visual Dry Weather Screening**

The Village deferred dry weather Outfall Inspections of its outfalls during the reporting cycle. No problem outfalls were reported. The inspections are planned for the next cycle.

9. **C10: Other Illicit Discharge Controls (Visual Monitoring Inspections)**

Since the Village population is under 25,000, it has opted for visual monitoring of its upstream and downstream watercourse locations. Visual Monitoring Inspections at upstream and downstream locations were not performed during the reporting cycle. The goal is to conduct these inspections in the future.

D. Construction Site Runoff Control

10. **D1: Regulatory Control Program (Ordinance)**

There have been no changes to the codes during this cycle, but the Village continues to enforce its regulatory control program for construction site runoff control. Village Ordinance #6-19 provides for Erosion and Sediment Control. Also, Article 4 of the MWRD's Watershed Management Ordinance (WMO) which became effective on May 1, 2014, is used to enforce soil erosion and sediment control requirements with development.

11. D2: Erosion and Sediment Control BMPs

Erosion and Sediment Control BMP's are required for all developments that exceed one acre in size.

12. D4: Site Plan Review Procedures

Development projects are reviewed under local and District ordinances by Village Staff and engineering consultants, especially regarding stormwater and erosion and sediment control measures. Projects over one acre are required to obtain a Notice of Intent prior to construction. A SWPPP is required with plan sets. Robinson Engineering performs Plan Reviews for the Village as they become necessary. The Village requires Weekly inspection reports from developers of active projects. The Village performs audit inspections as needed. The following plan reviews were conducted during the reporting cycle:

- 7335 W. 100th Place – Lynch Towing
- 7947 W. 79th Street – Dunkin Donuts
- 9809 Industrial Drive – LIV Transportation

13. D6: Site Inspection/Enforcement Procedures

Weekly inspection reports are required from developers of active projects. Periodic or surprise audit inspections are conducted by the Village or its consultant as needed. The Village performs audit inspections as needed.

E. Post-Construction Runoff Control

14. E2: Regulatory Control Program (Ordinance)

There have been no changes to the codes during this cycle, but the Village continues to enforce its regulatory control program for post construction runoff control. Village Ordinance #6-20 provides for Post Construction Storm Water Runoff Control. Also, Article 4 of the MWRD's Watershed Management Ordinance (WMO) which became effective on May 1, 2014, is used to enforce soil erosion and sediment control requirements with development.

15. E3: Long Term O&M Procedures

These are required and reviewed where applicable during the site plan review process.

16. E4: Pre-Construction Review of BMP Designs

The ordinance requirements are enforced during the site plan review stage of a development. The site plan reviews include a review of the BMP designs.

17. E5: Site Inspections During Construction

Weekly inspection reports are required from developers of active projects. Periodic or surprise audit inspections are conducted by the Village or its consultant as needed.

18. E6: Post-Construction Inspections

Stormwater management systems are inspected during the year depending on staff availability. Inspected storm sewers and structures that are found to need maintenance are cleaned, vacuumed, or jetted as needed.

F. Pollution Prevention and Good Housekeeping

19. F1: Employee Training Program

The goal is to conduct at least one training session per reporting cycle. The Public Works staff typically discusses proper procedures for salt storage and spreading, snow plowing, disposal of oil, and handling of solvents. Snow plowing, and deicing practices are reviewed annually. Training on snow-plowing and salt spreading is typically conducted in November of each year.

20. F2: The Inspection and Maintenance Program

The inspection and maintenance program includes Routine maintenance of Village streets, storm sewers, ditches, and stormwater facilities as part of the Public Works responsibilities. This includes sweeping, vacuuming, jetting, repair, debris and branch and leaf collection, etc.

- Deicing materials are stored in a permanent facility.
- All fertilizers, pesticides, or other chemicals are stored indoors.
- a. Street-sweeping was performed in April through October of the reporting period.
- b. Catch Basins are cleaned yearly during the reporting period. The Village has cleaned all catch basins at least once during the reporting cycle.
- c. Storm Sewers are inspected and cleaned on an as needed basis during the reporting cycle.
- d. Snow Plowing and Deicing of roadways was conducted during the cold weather months. This is performed on a yearly basis.
- e. Branch Chipper is used throughout the spring, summer and fall months throughout the Village on a yearly basis.

21. F3 and F4: Municipal Operations Storm Water Control and Waste Disposal

For Municipal Operations Storm Water Control, the Village completed in 2011 a SWPPP and Spill Response Plan for its Maintenance Yard and Operations. The plans did not require any updates during the reporting cycle.

22. F5: Flood Management/Assessment Guidelines

The Village code includes Flood Regulations which enforce floodplain and flood hazard regulations for any development in or near to floodplains. Reviews for such development are handled by Robinson Engineering.

Item C: Results of information collected and analyzed, monitoring data (if any).

Since the Village deferred its outfall inspections, it also did not perform any visual Monitoring Inspections at upstream and downstream locations. No chemical samples were taken.

The U.S. Census Bureau data for the Village of Bridgeview demographics is:

<i>2016 Estimated Population</i>	<i>16,248</i>
<i>Poverty Percentage</i>	<i>20.3%</i>
<i>White Pop. Percentage</i>	<i>76.5%</i>
<i>Hispanic Pop. Percentage</i>	<i>15.7%</i>
<i>Asian Pop. Percentage</i>	<i>3.1%</i>
<i>Black Pop. Percentage</i>	<i>2.9%</i>
<i>Two or more Races Pop. Percentage</i>	<i>2.8%</i>
<i>Other Pop. Percentage</i>	<i>0.2%</i>

Item D: Summary of stormwater activities you plan to undertake during the next reporting cycle (and implementation schedule).

See the attached Summary that is numbered to correspond with the original Notice of Intent.

Item E: Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).

Not applicable. The Village of Bridgeview does not rely on another governmental entity to satisfy NPDES permit obligations at this time.

Item F: List of construction projects that your entity has paid for during the reporting period.

The following is a list of contracts that the Village let and constructed during this reporting period:

- None this reporting period.

Sample Documentation for Minimum Control Measures

The remaining sheets in this report include some available documentation for various Best Management Practices discussed under Item B.

VILLAGE OF BRIDGEVIEW

SUMMARY AND SCHEDULE OF PROPOSED BEST MANAGEMENT PRACTICES

MINIMUM CONTROL MEASURE		PREVIOUSLY COMPLETED	MAR-15	MAR-16	MAR-17	MAR-18	MAR-19	MAR-20
A. Public Education and Outreach on Stormwater Impacts								
A1	Literature Distribution (newsletter; brochure)	X	X	X	X	X	A	
A4	Community Events (Village-wide Cleanup Days)	X	X	X	X	X	A	
A6	Other Public Education (website)	X	X	X	X	X	A	
B. Public Involvement/ Participation								
B4	Public Hearing	X	X		X	D	A	
B7	Other Public Involvement (Cleanup days; 2/yr)	X	X	A	X	X	A	
C. Illicit Discharge Detection and Elimination								
C1	Storm Sewer Map Assessment	X			X	X	A	
	Storm Sewer Map Preparation	X						
	Field Identification of Outfalls	X						
	Storm Sewer Map Update Program	X	X	X	X	X	A	
C2	Regulatory Control Program	X						
	- Sewer Use Ordinance	X	X	X	X	X	A	
C7	Visual Dry Weather Screening Program	X	D	D	D	D	A	
C10	Other Illicit Discharge Controls (Monitoring)			D	D	D	A	
D. Construction Site Storm Water Runoff Control								
D1	Regulatory Control Program	X	X	X	X	X	A	
	- Review of Current Ordinances	X			X		A	
	- Ordinance Enforcement (Chap 6 - Art 19; WMO - 4)	X	X	X	X	X	A	
D2	Erosion and Sediment Control BMP's	X	X	X	X	X	A	
D4	Site Plan Review Procedures	X	X	X	X	X	A	
D6	Site Inspection/Enforcement Procedures	X	X	A	X	X	A	
E. Post-Construction Storm Water Management								
E2	Regulatory Control Program	X	X	X	X	X	A	
	- Review of Current Ordinances	X			X			
	- Ordinance Enforcement (Chap 6 - Art 19; WMO - 4)	X	X	X	X	X	A	
E3	Long Term O&M Procedures	X	X	X	X	X	A	
E4	Pre-Construction Review of BMP Designs	X	X	X	X	X	A	
E5	Site Inspections During Construction	X	X	X	X	X	A	
E6	Post-Construction Inspections	X	X	X	X	X	A	
F. Pollution Prevention/Good Housekeeping								
F1	Employee Training Program	X	D	X	X	X	A	
F2	Inspection & Maintenance Program	X	X	X	X	X	A	
F3 & F4	Municipal Operations for Stormwater Control and Waste Disposal	X	X	X	X	X	A	
	- Audit existing BMP's	X		X	X	X	A	
	- Audit problem areas	X						
	- Plan new BMP's and Procedures	X		X	X			
	- Implement Program	X	X	X	X	X	A	
F5	Flood Management/Assess Guidelines	X	X	X	X	X	A	

A = Future Required Annual Activity

R = Future One-time Required Activity

D = Deferred Activity

X = Completed Activity

X = New Activity



VILLAGE OF BRIDGEVIEW
7500 South Oketo Ave.
Bridgeview, IL 60455

2017

Don't miss Bridgeview's Annual Fall Cleanup Days Sept. 23, 30



Fall is just around the corner, and that means Bridgeview is getting ready for the Annual Fall Cleanup Days.

Rid outdoor areas, garages, attics and basements of old lumber, unused furniture, brick piles, old equipment and any other debris that might be taking up space on your property for these village-wide cleanup days. Get ready to start the winter with a clean and cozy home!

Keeping your house clean

is not only beneficial for you as an individual homeowner, it also helps maintain a clean, rodent-free community. Living in a community imposes on us certain responsibilities. Keeping your village clean is one among them. It is the duty of each and every person to ensure that his or her surroundings are hygienic and safe for our children and pets.

This year residents who have garbage pickup on Mondays will have their Cleanup Day on Saturday,

Sept. 23. Residents whose garbage is picked up on Tuesdays will have their Fall Cleanup Day on Saturday, Sept. 30.

Items that can be picked up include, but are not limited to: furniture, tires and rims, sinks and toilets, building scraps, cinder blocks and tree logs. If you have any non-bulk items, they must be bagged or boxed for them to be acceptable for pickup.

Hazardous waste will not be picked up, and any fluids from

lawn mowers, refrigerators, freezers or any other similar appliance or machine must be drained. Paint must be dried up, which can be done by mixing it with kitty litter.

As a reminder, items need to be curbside by 6 a.m. ON your designated pickup day.

The Village of Bridgeview is serious about keeping Bridgeview clean. Working together we will continue to keep Bridgeview a great place to live!

COMING SOON



BRIDGEVIEW CLEAN-UP DAYS

April 28th

For all residents who have their trash picked up on Monday

May 5th

For all residents who have their trash picked up on Tuesday

This is a great time to do that spring cleaning and help keep Bridgeview clean!

Village strengthens employee rules

In response to updated state laws and current events, Mayor Steve Landek recently submitted an update to the Village's Personnel Policy. The Village Board approved the tougher rules on sexual harassment, training and reporting.

Respecting everyone's personal rights in the work place is expected and every effort must be made to assure they are reported. Just as everyone expects municipal employees to treat the taxpayer with dignity and respect, the employees themselves expect to be treated on the job in a safe and professional environment.

In the interest of full disclosure, there have been no complaints received by the Village of Bridgeview's Human Resources Department for any issues related to sexual harassment. We will continue our great record of employee relations for the benefit of the taxpayers.

Village insurance costs increase 2.19%

Finance Chairman Trustee Mike Pticek reports that the village board recently approved the 2018 insurance coverage for a total of \$661,387. This includes all insurance for vehicles, general liability and workman's compensation. The small increase of 2.19% increase is good news for taxpayers.

5 Years ago the village switched to a certain portion of self insurance to take on a portion of risk and it offered big savings if the village reduced vehicle and personnel accidental on the job insurance losses. Over the past 5 years, this decision has saved over \$2,086,452 in tax money. That is right, we

used good business practice to get our insurance costs under control.

The 2 million saved are not dollars that the village has sitting in the bank. According to Trustee Pticek, "the 2 million dollars represents money that if we had not saved it, would have increased your taxes !!" That has not occurred and we continue to work hard to reduce costs.

New Year's fun 2018!



Park Commissioner Ken Pannaralla joins in the fun at a senior pre-New Years celebration at Commissioners Park.

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Results: 61 Item(s) Found.

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7500 S. Oketo Avenue. Bridgeview, IL 60455 TEL: (708) 594-2525

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Bridgeview Public Works Department



The Bridgeview Public Works Department provides municipal services in several areas. They maintain our village streets, water and sewer systems, village vehicles and public buildings, and branch chipping. During warm weather, they also handle mosquito abatement duties.

[Click Here to view the Public Works Department Photo Gallery](#)

7500 S. Oketo Ave • Bridgeview, IL 60455 Customer Service: 708-594-2525

IMPORTANT NOTE:

Before digging on your property, be sure to call JULIE at 811, to locate underground utilities and avoid serious problems or a disaster.

Village Streets

- Public Works Department operates their street cleaning equipment when weather permits.
- No trash containers are allowed in the streets at any time.
- Property owners should keep grass clippings and leaves from accumulating in the streets and along curbs.
- No parking is allowed on village streets when there is an accumulation of snow 1" or greater. The Public Works Department will dispatch their snow removal crew at this time.
- Residents should not deposit snow in the streets, as this creates a safety hazard for motorists and inhibits snow removal efforts.

Water and Sewer System

It is extremely important to keep our STORM SEWERS clean. No one is to pour oil, nor any other materials down the sewer drains. It is also important to keep leaves and grass clippings out of the sewers.

If you notice surface water flowing out of the street, sidewalk or ground, report the problem and location to the Bridgeview Customer Service at 594-2525 or call 9-1-1 after office hours.

SUMP PUMPS

- Sump pumps are not to pump water directly into storm sewers.
- Sump pumps cannot be connected to sanitary sewers.
- Hoses connected to sump pumps are to be no longer than 10' from the building.

Branch Chipper Service

Bridgeview Public Works offers a branch pick-up/chipping service free to village residents for branches longer than 4 ft. Put these branches with the cut side facing the street. Do NOT bundle them.

Weekly Chipper Schedule:

- Monday: Areas WEST of the train tracks
- Wednesday: Areas EAST of the train tracks and NORTH of 87th Street
- Friday: Areas EAST of the train tracks and SOUTH of 87th Street

If you have any additional questions, call Bridgeview Community Services at 708-594-2525

**Village of Bridgeview** **DIRECTIONS**

7500 S. Oketo Avenue. Bridgeview, IL 60455 TEL: (708) 594-2525


Citizen Requests

Citizen Requests

Please use the form below to send the Village of Bridgeview a Citizen Request. All submissions will be reviewed and a Village official will contact you if necessary within 3 business days.

Payment Center
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First Name Last Name Address Line 1 Address Line 2 (Optional) City State Postal Code Country Message Phone Number Email Address Concerning How did you hear about us? 

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7500 S. Oketo Avenue. Bridgeview, IL 60455 TEL: (708) 594-2525

Village of Bridgeview

IEPA NPDES General Permit No. ILR40-0301

Storm Water Management Program (SWMP)

For discharges from Small Municipal Separate Storm Sewer Systems (MS4)

April 2018 to March 2021

June 1, 2018

A. General Information

1. Storm Water Management Program contact:

Name: Mike Porfirio
Title: Director of Public Works
Mailing Address: Village of Bridgeview – Public Works
7000 S. Harlem Avenue
Bridgeview, IL 60455
Public Works Dept.: (708) 594-2525
Mobile Phone: (443) 254-1480
Email Address: mporfirio@villageofbridgeview.org

2. State Authority Contact:

Name: Mr. Alan Keller, PE
Title: Manager, Permit Section
Mailing Address: Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
P. O. Box 19276
Springfield, IL 62794-9276
Email Address: epa.ms4noipermits@illinois.gov

B. Governmental entities in which MS4 is located:

1. Cook County
- 2.

C. Names of known receiving waters:

1. Stony Creek
2. Lucas Ditch
3. Lucas Ditch Tributary
4. 71st St. Ditch (flows to Chicago Sanitary & Ship Canal)



D. Storm Water Management Program Requirements:

1. The [Village] must develop, implement, and enforce a storm water management program designed to reduce the discharge of pollutants from [its] small municipal separate storm sewer system (MS4) to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act. The storm water management program must include the 6 Minimum Control Measures (MCMs). The U.S. Environmental Protection Agency's National Menu of Stormwater Best Management Practices (<https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu>) and the most recent version of the Illinois Urban Manual should be consulted regarding the selection of appropriate BMPs.
2. You may partner with other MS4s to develop and implement your storm water management program.
3. For further details on the requirements for each of the 6 MCMs, please refer to the latest version of the General NPDES Permit No. ILR40.

E. Minimum Control Measures (MCMs):

1. Public Education and Outreach – (MCM 1)
2. Public Participation/Involvement – (MCM 2)
3. Illicit Discharge Detection and Elimination – (MCM 3)
4. Construction Site Runoff Control – (MCM 4)
5. Post-Construction Runoff Control – (MCM 5)
6. Pollution Prevention/Good Housekeeping – (MCM 6)

F. Best Management Practices (BMPs):

A. Public Education and Outreach

- ☒ A.1 Distributed Paper Material
- ☐ A.2 Speaking Engagement
- ☐ A.3 Public Service Announcement
- ☒ A.4 Community Event
- ☐ A.5 Classroom Education Material
- ☒ A.6 Other Public Education

B. Public Participation/Involvement

- ☐ B.1 Public Panel
- ☐ B.2 Educational Volunteer
- ☐ B.3 Stakeholder Meeting
- ☒ B.4 Public Hearing
- ☐ B.5 Volunteer Monitoring
- ☐ B.6 Program Coordination
- ☒ B.7 Other Public Involvement

C. Illicit Discharge Detection and Elimination

- ☒ C.1 Storm Sewer Map Preparation
- ☒ C.2 Regulatory Control Program
- ☐ C.3 Detection/Elimination Prioritization Plan
- ☐ C.4 Illicit Discharge Tracing Procedures
- ☐ C.5 Illicit Source Removal Procedures
- ☐ C.6 Program Evaluation and Assessment
- ☒ C.7 Visual Dry Weather Screening
- ☐ C.8 Pollutant Field Testing
- ☐ C.9 Public Notification
- ☒ C.10 Other Illicit Discharge Controls

D. Construction Site Runoff Control

- ☒ D.1 Regulatory Control Program
- ☒ D.2 Erosion and Sediment Control BMPs
- ☐ D.3 Other Waste Control Program
- ☒ D.4 Site Plan Review Procedures
- ☐ D.5 Public Information Handling Procedures
- ☒ D.6 Site Inspection/Enforcement Procedures
- ☐ D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

- ☐ E.1 Community Control Strategy
- ☒ E.2 Regulatory Control Program
- ☒ E.3 Long Term O&M Procedures
- ☒ E.4 Pre-Const Review of BMP Designs
- ☒ E.5 Site Inspections during Construction
- ☒ E.6 Post-Construction Inspections
- ☐ E.7 Other Post-Const Runoff Controls

F. Pollution Prevention/Good Housekeeping

- ☒ F.1 Employee Training Program
- ☒ F.2 Inspection and Maintenance Program
- ☒ F.3 Muni Operations Storm Water Control
- ☒ F.4 Municipal Operations Waste Disposal
- ☒ F.5 Flood Management/Assess Guidelines
- ☐ F.6 Other Municipal Operations Controls

Statement of Fairness – All BMPs shall and will be implemented, conducted, regulated, or enforced fairly throughout the entire Village as appropriate and applicable.

Revisions – BMPs C3, C4, and C5 may be added to the program in 4/2019.

H. Revisions:

1. 6/13/16 – Initial plan
2. 6/1/18 – minor revisions; correct web address
- 3.
- 4.
- 5.

An official website of the United States government.

We've made some changes to EPA.gov. If the information you are looking for is not here, you may be able to find it on the EPA Web Archive or the January 19, 2017 Web Snapshot.

Close



National Menu of Best Management Practices (BMPs) for Stormwater

First released in October 2000, the menu of BMPs is based on the stormwater Phase II rule's six minimum control measures. EPA has found the practices listed in the menu of BMPs to be representative of the types of practices that can successfully achieve the minimum control measures.

Disclaimer

The BMP examples and references included on these fact sheets are not intended to be comprehensive. Additionally, the list of BMPs is not all-inclusive, and it does not preclude MS4s from using other technically sound practices.

The list of BMPs is not all-inclusive, and it does not preclude MS4s from using other technically sound practices. However, the practice or set of practices chosen needs to achieve the minimum measure.

Stormwater management practices that are already being used should be recognized and appropriate credit given to those who have already made progress toward protecting water quality. There is no need to spend additional resources for a practice that is already in existence and operational.

- [Measurable Goals Guidance for Phase II Small MS4s](#) - Designed to help small MS4 operators comply with the measurable goals permitting requirements.
- [Urban Management Measures Guidance](#) - Guidance to help municipalities and citizens in urban areas protect waterbodies from polluted runoff resulting from everyday activities.

Effective stormwater management often occurs by using a holistic system management approach. This approach takes into account the effectiveness of each stormwater practice, the costs of each practice, and resulting overall cost and effectiveness rather than looking at each practice in isolation. Some individual practices may not be effective alone but, in combination with others, may provide a key function in highly effective systems.

The Phase II rule encourages such system-building by stating the minimum requirements in more general terms, which allows you to use appropriate situation-specific sets of practices that will achieve the minimum measures.

Public Education

Public Involvement

Illicit Discharge Detection and Elimination

Construction

Post- Construction

Pollution Prevention/ Good Housekeeping

Public Education and Outreach on Stormwater Impacts

Stormwater runoff is generated from many different land surfaces and is impacted by the behaviors and activities of individuals, households, and the public. These common individual behaviors have the potential to generate stormwater pollution including:

- littering,
- disposing of trash and recyclables,
- disposing of pet-waste,
- applying lawn-chemicals,
- washing cars,
- changing motor-oil, and
- disposing leftover paint and household chemicals.

Convincing others to change their behaviors and properly dispose of materials can control such pollution. It is important that the public be aware of the significance of their behavior and that their actions can either pollute or protect our waterways.

Phase II MS4s are required to educate their community on the pollution potential of common activities, and increase awareness of the direct links between land activities, rainfall-runoff, storm drains, and their local water resources. The education programs must include clear guidance on steps and specific actions to be taken to reduce stormwater pollution-potential.

The benefits of public education efforts cannot be understated, especially on topics such as "nonpoint source" or "stormwater" pollution.

Key BMPs and Resources

MS4s developing a public education program should first create a public outreach strategy. An excellent document to help MS4s develop this strategy is EPA's Getting in Step: A Guide for Conducting Watershed Outreach Campaigns.

- [Getting in Step: A Guide for Conducting Watershed Outreach Campaigns](#) - Provides many of the tools you will need to develop and implement an effective watershed outreach plan.
- [Phase II Public Education and Outreach Minimum Control Measure Fact Sheet](#)

BMP Fact Sheets

EPA is updating the following fact sheets. You can request a copy or recommend any changes by sending an [email](#).

The fact sheets describe the BMPs and generally provide applicability, implementation, and effectiveness information to help municipal stormwater and construction site operators comply with the stormwater Phase II requirements.

Developing Municipal Outreach Programs

- Developing an Outreach Strategy

Promoting the Stormwater Message

- Classroom Education on Stormwater
- Stormwater Outreach for Commercial Businesses
- Tailoring Outreach Programs to Minority and Disadvantaged Communities and Children
- Using the Media

Stormwater Outreach Materials

- Educational Displays, Pamphlets, Booklets, and Bill Inserts
- Promotional Giveaways
- Stormwater Outreach Materials

Education for Homeowners

- Alternatives to Toxic Substances
- Chlorinated Water Discharge Options
- Landscaping and Lawn Care
- Pest Control
- Pet Waste Management
- Proper Disposal of Household Hazardous Wastes
- Residential Car Washing
- Trash and Debris Management
- Water Conservation Practices for Homeowners

Education for Businesses

- Automobile Maintenance
- Pollution Prevention for Businesses
- Promoting Low Impact Development

Resources

EPA

- [After the Storm](#) - Video produced by EPA and The Weather Channel on how polluted runoff threatens watersheds.
- [Trash Free Waters website](#) - Resources to educate the public about the impact of trash and ways to prevent marine debris.
- [Nonpoint Source Outreach Digital Toolbox](#) - A catalog of over 700+ materials (TV/print/radio/give-aways/mascots/ public attitude surveys, evaluations of public response to media campaigns) that can be used in a stormwater public education campaign.
- [Stormwater Outreach Materials and Reference Documents](#) - Provides outreach materials that municipalities, watershed groups, state, and local governments can customize and use for their own stormwater outreach campaigns.

Other

- [Stormwater Education Toolkit](#) EXIT - Includes thousands of educational products organized by target audience, and type of activity that can impact stormwater pollution.
- [Water Spots](#) EXIT - Includes over twenty different radio spots created to educate the public on different aspects of stormwater pollution prevention.
- [Santa Clara Valley Urban Runoff Pollution Prevention Program Watershed Watch Education Site](#) EXIT - Includes numerous downloadable materials and kits.
- [Think Blue Program](#) - The City of San Diego, CA created an award-winning multi media campaign on preventing polluted runoff.
- [National Extension Water Outreach Education](#) EXIT - Information on improving outreach efforts using "Best Education Practices."

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