



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, 2016 To March, 2017

Permit No. ILR40

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

Name: City of Joliet Mailing Address 1: 150 W. Jefferson Street
Mailing Address 2: _____ County: Will
City: Joliet State: IL Zip: 60432 Telephone: 815-724-4260
Contact Person: Scott Gapsevich Email Address: sgapsevich@jolietcity.org
(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 Joliet

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:

Scott Gapsevich

Printed Name:

5/31/17

Date:

Engineering Supervisor

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.



**ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORMWATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER
SYSTEMS (MS4)**

MARCH 2016 TO FEBRUARY 2017 REPORTING PERIOD

CITY OF JOLIET, ILLINOIS

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Part A. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit
 ✓ indicates changes to BMPs proposed in your NPDES permit

Year 1	Year 2	Year 3	Year 4	Year 5	
MS4					
A. Public Education and Outreach					
X	X	X	X	X	A.1 Distributed Paper Material
					A.2 Speaking Engagement
X	X	X	X	X	A.3 Public Service Announcement
					A.4 Community Event
					A.5 Classroom Education Material
X	X	X	X	X	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
X	X	X	X	X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination					
X	X	X	X	X	C.1 Storm Sewer Map Preparation
X	X	X	X	X	C.2 Regulatory Control Program
					C.3 Detection/Elimination Prioritization Plan
X	X	X	X	X	C.4 Illicit Discharge Tracing Procedures
					C.5 Illicit Source Removal Procedures
					C.6 Program Evaluation and Assessment
X	X	X	X	X	C.7 Visual Dry Weather Screening
X	X	X	X	X	C.8 Pollutant Field Testing
					C.9 Public Notification
					C.10 Other Illicit Discharge Controls

Year 1	Year 2	Year 3	Year 4	Year 5	
MS4					
D. Construction Site Runoff Control					
					D.1 Regulatory Control Program
					D.2 Erosion and Sediment Control BMPs
					D.3 Other Waste Control Program
X	X	X	X	X	D.4 Site Plan Review Procedures
X	X	X	X	X	D.5 Public Information Handling Procedures
X	X	X	X	X	D.6 Site Inspection/Enforcement Procedures
X	X	X	X	X	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
X	X	X	X	X	E.5 Site Inspections During Construction
X	X	X	X	X	E.6 Post-Construction Inspections
					E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping					
X	X	X	X	X	F.1 Employee Training Program
X	X	X	X	X	F.2 Inspection and Maintenance Program
					F.3 Municipal Operations Storm Water Control
					F.4 Municipal Operations Waste Disposal
					F.5 Flood Management/Assess Guidelines
					F.6 Other Municipal Operations Controls

Part B. Status of Compliance with Permit Conditions

The City has developed a Stormwater Management Plan and posted it on the City's stormwater webpage. The status of BMPs and measurable goals performed are described below.

1. Public Education and Outreach

The City committed to perform activities and services related to the Public Education and Outreach minimum control measure under BMP numbers A.1, A.3, and A6. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. A1 – Distributed Educational Material

Brief Description of BMP: The City makes materials available to the public pertaining to stormwater quality education.

Milestone: Develop a rain garden education poster

BMP Status: Stormwater quality education materials are located on the City's website for public use. The educational material was expanded to include a rain garden poster which was distributed.

BMP No. A3 – Public Service Announcement

Brief Description of BMP: Public/cable education spot addressing storm water education.

Milestone: Produce a new spring fertilizer reduction ad

BMP Status: The City uses local and cable television to promote stormwater education. The City and the Lower DuPage Watershed Group are developing a spring fertilizer reduction ad.

BMP No. A6 – Other Public Education

Brief Description of BMP: A section of the City's website is dedicated to help educate the public on storm water quality.

Milestone: The City will expand the website to include additional information and links to proposed public programs.

BMP Status: The City expanded its website to include information on its updated rain barrel program implemented thru The Conservation Foundation.

The City continues to provide storm drain stenciling as needed.

2. Public Participation/Involvement

The City committed to perform activities and services related to the Public Participation/Involvement minimum control measure under BMP number B.7. The status or progress for the measurable goal related to these BMP is presented below.

BMP No. B.7 – Other Public Involvement

Brief Description of BMP: An outreach program with local educational institutions will be developed to educate residents on storm water issues. Educational programs will be established and maintained each year.

Milestone: Provide education and teaching aides.

BMP Status: The City is working with the Lower DuPage Watershed Coalition to develop an outreach program for School District 86 on storm water pollution prevention.

The City is reviewing the Environmental Justice Area (EJA) information available from USEPA, and is currently evaluating City areas to determine if any environmental justice areas exist, or the need to tailor program messages based on different languages.

3. Illicit Discharge Detection and Elimination

The City committed to perform activities related to the Illicit Discharge Detection and Elimination minimum control under BMP numbers C.1, C.2, C.4, C.7, and C.8. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. C1 – Storm Sewer Map Preparation

Brief Description of BMP: Develop a separate storm sewer system map.

Milestone: Complete 100% to GIS format.

BMP Status: The City has developed a storm sewer system map and converted 100% to GIS format to provide greater accessibility. Each year, the GIS maps are updated to include any new storm sewer pipes, outfalls and receiving water.

BMP No. C2 – Regulatory Control Program

Brief Description of BMP: The City will expand the program that indicates the restrictions of discharging non-stormwater into the storm sewer system, detects these discharges before they become a problem, and establish enforcement procedures.

Milestone: Ordinance language that requires sewer inspection at the time of property sale or annexation

BMP Status: The City has developed an ordinance that prohibits illicit discharges into the storm drain system. A revised draft ordinance was developed and awaits City Council action. 100 industrial area surveys were performed.

BMP No. C4 – Illicit Discharge Tracing Procedures

Brief Description of BMP: Modify the complaint tracking system to identify illegal connections and illicit discharges to record locations on the GIS system and document previous actions. Make this information available to field staff to ensure resolution. Develop written notification with tracking system to ensure future compliance.

Milestone: Educate staff on the documentation changes.

BMP Status: The City has modified its complaint tracking system to identify illegal connections and illicit discharges on its GIS system. Staff training was performed. Field staff have access to the GIS to aid in resolutions.

BMP No. C.7 – Visual Dry Weather Screening

Brief Description of BMP: Areas with suspicious discharges will be inspected to determine suspected direct connections to the wastewater system and identify areas where wastewater might be leaking into adjacent storm drain pipes. Approximately 25% of storm outfalls are to be screened each year with high priority locations screened on an annual basis

Milestone: Transfer duties to Sewer Department from treatment plant personnel.

BMP Status: The City inspects suspicious discharges to determine if they are directly connected or leaking into the sanitary sewer. The City transferred screening duties from the treatment plant personnel to the Sewer Department. 253 of the City's 283 outfalls were screened.

BMP No. C.8 – Pollutant Field Testing

Brief Description of BMP: Each year a number of storm water drain system outfalls will be sampled and tested to identify outfalls with illicit discharges.

Milestone: Provide additional staff education to detect illicit discharges.

BMP Status: The City provided additional training IDDE to Sewer Department staff.

4. Construction Site Runoff Control

The City committed to perform activities and services related to the Construction Site Runoff Control minimum control measure under BMP numbers D.5, D.6, and D.7

BMP No. D5 – Public Information Handling Procedures

Brief Description of BMP: The City will expand the tracking process whereby public complaints, concerns, permits, etc. are logged to include Public Works / Roadways issues. The tracking process will be implemented throughout the life of the storm water management program.

Milestone: Begin transition to online tracking using MS4 program

BMP Status: Due to software modification issues, the online system has not been developed. Public information is tracked within the City file network using Gov Outreach and Fieldport.

BMP No. D6 – Site Inspection/Enforcement Procedures

Brief Description of BMP: Perform site inspections and initiate enforcement procedures as needed.

Milestone: Modify the bonding and letter of credit process to provide for extended long-term site stabilization funding. The procedures will be implemented throughout the life of the storm water management program. Institute policy change to include incremental payouts and a line item to reserve funding.

BMP Status: The City implemented the County and local ordinance for stormwater BMPs / controls at construction sites. Active construction sites were inspected weekly. Minor deficiencies were observed such as silt fences knocked down. Inspectors notified on site contractor / foreman to correct situation and then followed up to ensure correction.

BMP No. D7 – Other Construction Site Runoff Controls

Brief Description of BMP: The City will modify the existing requirements for storm water pollution prevention program for construction site operators to include the use of catch all inlet protectors instead of filter fabric, and define the procedure for site dewatering during construction.

Milestone: Educate staff and developers on recommended use of additional BMP's

BMP Status: A new inspector was trained on inspection procedures and BMP soil erosion control forms that needed to be filled out during site inspections

5. Post-Construction Runoff Control

The City committed to perform activities and services related to the Post-Construction Site Runoff Control minimum control measure under BMP numbers E.5 and E.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. E5 – Site Inspection During Construction

Brief Description of BMP: The City will develop coordinating procedure between staff and Certified Site Operation inspected sites, an inspection check sheet, and establish penalties and consequences for non-compliance.

Milestone: Maintain procedures

BMP Status: The City implemented the County and local ordinance for post-construction stormwater BMPs / controls for new development. The City developed coordinating procedures between staff and Certified Site Operation inspected sites, inspection check sheets, and established penalties and consequences for non-compliance. The City continues to perform inspections and maintain the procedures.

BMP No. E.6 –Post Construction Inspections

Brief Description of BMP: The City has identified priority sites that warrant inspections before and after significant rain events.

Milestone: Maintain inspections

BMP Status: The City identified priority sites that warrant inspections before and after significant rain events. The City performed its inspections and adds additional priority sites as necessary.

6. Pollution Prevention/Good Housekeeping

The City committed to perform activities for BMP numbers F.1 and F.2. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. F1 – Employee Training Program

Brief Description of BMP: The City will run a staff education program to train City staff regarding the importance of storm water pollution and good housekeeping practices.

The City has identified priority sites that warrant inspections before and after significant rain events.

Milestone: Provide additional staff education.

BMP Status: The City provided for additional staff education, including training on salt usage, equipment cleaning, and maintenance yard BMPs for staff.

BMP No. F2 – Inspection and Maintenance Program

Brief Description of BMP: Establish a tracking method to document the street sweeping debris, grate cleaning, and ditch cleaning with quarterly summaries.

Milestone: Begin transition to online tracking using MS4 program.

BMP Status: The City established a tracking method with quarterly summaries to document street sweeping debris, grate cleaning, and ditch cleaning. The transition to an online system has been delayed due to software development issues.

The City inspected and maintained a portion of its stormwater system. This year:

- Catch basin cleaning is performed by the street sweepers and on an as needed basis by hand by the crew.
- City streets were vacuum swept 2-3 times over the year. Downtown streets were swept every night Monday through Friday.

Road salt and deicing chemicals are stored in a permanent structure, protected from rainfall and stormwater runoff.

A portion of the storm drain system was inspected for maintenance and repair purposes.

The City's municipal maintenance yards (Cedarwood, Cass St., and Arbeiter Road) were evaluated for proper BMP implementation.

Part C. Information and Data Collection Results

The City participates in the Lower DuPage Watershed Coalition, Lower Des Plaines Watershed Workgroup and Hickory / Spring Creek Watershed Planning Group and their regional water quality monitoring programs. Data collected is available for public use and may be used for program evaluation and implementation.

Part D. Summary of Planned Stormwater Activities

The table shown below summarizes the BMPs committed to for the next reporting year. Specific BMPs and measurable goals are presented in the section following the table.

Note: X indicates BMP commitment

MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
	A.4 Community Event
	A.5 Classroom Education Material
X	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
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
X	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

MS4	
D. Construction Site Runoff Control	
	D.1 Regulatory Control Program
	D.2 Erosion and Sediment Control BMPs
	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
X	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
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

1. Public Education and Outreach

The City will perform activities and services related to the Public Education and Outreach minimum control measure. BMPs will be implemented under BMP number A.1, A.3, and A.7 as described below

BMP No. A1 – Distributed Educational Materials

Brief Description of BMP: The City makes materials available to the public pertaining to storm water quality education.

Measurable Goal(s), including frequencies: The City will continue to expand its educational material each year and distributes posters to residence.

Milestones: Provide a Storm Water Poster. Include climate change information.

BMP No. A3 – Public Service Announcement

Brief Description of BMP: The City uses local and cable television to promote stormwater education.

Measurable Goal(s), including frequencies: Produce and air a series of ads on local or cable television addressing storm water education to the public. The ads will rotate and air once a month.

Milestones: Produce a new fall salt reduction ad.

BMP No. A6 – Other Public Education

Brief Description of BMP: A section of the City's website is dedicated to help educate the public on storm water quality.

Measurable Goal(s), including frequencies: The City will expand the website to include additional information and links to proposed public programs.

Milestones: Further develop the rain barrel program.

2. Public Participation/Involvement

The City will perform activities and services related to the Public Participation/Involvement minimum control measure. BMPs will be implemented under BMP number B.7 as described below.

BMP No. B7 – Other Public Involvement

Brief Description of BMP: The City developed an outreach program with local educators to encourage resident education on storm water.

Measurable Goal(s), including frequencies: Educational programs will be established and maintained each year.

Milestones: Develop education programs with local teachers and students. Complete the Environmental Justice Area assessment.

3. Illicit Discharge Detection and Elimination

The City commits to perform activities related to the Illicit Discharge Detection and Elimination minimum control. BMPs will be implemented under BMP numbers C.1, C.2, C.4, C.7, and C.8 as described below.

BMP No. C1 – Storm Sewer Map Preparation

Brief Description of BMP: The City has a drafted storm sewer system map. It is being converted to GIS format to provide greater accessibility.

Measurable Goal(s), including frequencies: The City will continue to convert its separate storm sewer map into GIS format until is 100% complete and incorporate any new storm sewer pipes, outfalls, and receiving waters.

Milestones: Update the GIS storm sewer system map as new information becomes available.

BMP No. C2 – Regulatory Control Program

Brief Description of BMP: The City will expand the portions of its regulatory program concerning non-stormwater discharges to storm system.

Measurable Goal(s), including frequencies: The program will be expanded to detect the illicit discharges and establish enforcement procedures.

Milestones: Educate staff on the application of the revised policies and maintain the program.

BMP No. C4 – Illicit Discharge Tracing Procedures

Brief Description of BMP: The City currently has a complaint tracking system which it will expand to include illegal and illicit discharge complaints on its current GIS system.

Measurable Goal(s), including frequencies: The complaint tracking system will be modified to identify illegal connections and illicit discharges on its GIS system. Field staff have access to the GIS to aid in resolutions.

Milestones: Produce yearly summaries of known, new, and eliminated sources.

BMP No. C7 – Visual Dry Weather Screening

Brief Description of BMP: The City inspects suspicious discharges to determine if they are directly connected or leaking into to the sanitary sewer.

Measurable Goal(s), including frequencies: The City will continue inspecting the storm system.

Milestones: Educate staff and public on identifying suspicious discharges.

BMP No. C.8 – Pollutant Field Testing

Brief Description of BMP: Each year a number of storm sewer outfalls along with critical outfall locations will be inspected and sampled to identify illicit discharges.

Measurable Goal(s), including frequencies: Approximately 25% of storm outfalls to be inspected and sampled each year with critical locations tested on a yearly basis.

Milestones: Maintain the program.

4. Construction Site Runoff Control

The City will perform activities and services related to the Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP numbers D.4, D.5, D.6, and D.7 as described below.

BMP No. D5 – Public Information Handling Procedures

Brief Description of BMP: The City will expand its tracking process whereby public complaints, concerns, permits, etc. are logged to include Public Works/Roadway issues.

Measurable Goal(s), including frequencies: The tracking process will be implemented throughout the life of the storm water management program.

Milestones: Maintain the tracking process.

BMP No. D6 – Site Enforcement/Inspection Procedures

Brief Description of BMP: The City will modify the bonding and letter of credit process to account for long extended long-term site stabilization funding.

Measurable Goal(s), including frequencies: The procedures will be implemented throughout the life of the storm water management.

Milestones: Investigate alternate methods to reduce amounts of large scale soil stripping.

BMP No. D7 – Other Construction Site Runoff Controls

Brief Description of BMP: The City modified the existing requirements for its storm water pollution prevention program for construction site operators. It now includes the use of catch-all inlet protectors instead of filter fabric. The City also modified its procedures for construction site dewatering.

Measurable Goal(s), including frequencies: The requirements will continue to be maintained.

Milestones: Maintain the requirements through site review and staff training.

5. Post-Construction Runoff Control

The City will perform activities and services related to the Post-Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP numbers E.5 and E.6. as described below.

BMP No. E.5 – Site Inspection During Construction

Brief Description of BMP: The City developed coordinating procedures between staff and Certified Site Operation inspected sites, inspection check sheets, and establish penalties and consequences for non-compliance.

Measurable Goal(s), including frequencies: Site inspection procedures will be maintained.

Milestones: Provide additional staff education on current policies.

BMP No. E.6 – Post-Construction Inspections

Brief Description of BMP: The City identified priority sites that warrant inspections before and after significant rain events.

Measurable Goal(s), including frequencies: Priority sites will continue to be inspected and new sites added as necessary.

Milestones: Prepare site maps showing the location of priority sites.

6. Pollution Prevention/Good Housekeeping

The City will perform activities and services related to the Pollution Prevention/Good Housekeeping minimum control measure. BMPs will be implemented under BMP numbers F.1 and F.2. as described below.

BMP No. F.1 – Employee Training Program

Brief Description of BMP: The City runs education programs to train City staff on the importance of stormwater pollution prevention and good housekeeping practices.

Measurable Goal(s), including frequencies: The staff training program will continue to be maintained.

Milestones: Maintain the program and continue to train staff within the stormwater training program.

BMP No. F2 – Inspection and Maintenance Program

Brief Description of BMP: The City established a tracking method with quarterly summaries to document street sweeping debris, grate cleaning, and ditch cleaning.

Measurable Goal(s), including frequencies: Continue the tracking and documenting cleaning efforts.

Milestones: Add additional locations, including ditch & sewer grate cleaning to the tracking log.

