



# 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, 2015 To March, 2016

Permit No. ILR40 0471

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

Name: Village of Wheeling Mailing Address 1: 77 West Hintz Road  
Mailing Address 2: \_\_\_\_\_ County: Cook  
City: Wheeling State: IL Zip: 60090 Telephone: 847.279.6900  
Contact Person: Jeff Wolfram Email Address: jwolfram@wheelingil.gov  
(Person responsible for Annual Report)

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

Village of Wheeling

#### 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))**

Jeff Wolfram  
Owner Signature:  
Jeff Wolfram  
Printed Name:

5-27-2016  
Date:  
Superintendent of Utility Division  
Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto: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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
ANNUAL FACILITY INSPECTION REPORT  
NPDES PERMIT FOR STORMWATER DISCHARGES  
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

MARCH 2015 TO MARCH 2016 REPORTING PERIOD

VILLAGE OF WHEELING, ILLINOIS

**A. CHANGES TO BEST MANAGEMENT PRACTICES**

There have been no changes to the Village of Wheeling's Notice of Intent for the 2014-2015 reporting period.

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

The Village of Wheeling committed to a number of stormwater BMPs in order to meet the requirements of the NPDES Phase II stormwater program. The following is a status report on each of the BMPs and the activities that were undertaken during the March 2015 to March 2016 reporting period. The status or progress for each of the measurable goals related to these BMPs is presented below.

**BMP No. A1 Resident Newsletter – Stormwater Pollution Prevention Articles**

**Measurable Goal(s), including frequencies:** Distribute a semi-annual stormwater pollution prevention publication.

**Milestones: Year 13:** Continue to distribute the publication.

**BMP Status:** The Village of Wheeling publishes a bimonthly newsletter which is mailed directly to each resident in the Village. During the March 2015 to March 2016 reporting period, the Village continued publishing stormwater pollution prevention articles within the newsletter on a semi-annual basis. Articles during this period included "Stormwater Runoff Pollution", "Floods Are No Myth", and rain barrel purchase information. These articles were published in the March/April 2015 newsletter. Storm Drain Grate/Inlet Cleaning and Guidelines for leaf disposal and "Stormwater Utility Program Launches" were featured articles in the Sept/Oct 2015 newsletter. The Village also provides stormwater pollution prevention related brochures at the front desk of the public works facility.

**BMP No. B7** Other Public Involvement

**Measurable Goal(s), including frequencies:** Inform all residents of the existence of contact number in the existing quarterly resident newsletter.

**Milestones:** **Year 13:** Continue to inform residents of the existence of a contact number.

**BMP Status:** Along with the stormwater pollution prevention articles that are published in the Village newsletter, the Village provides a contact number that residents can use to report stormwater related issues, including ordinance violations, construction site soil erosion and sediment control violations, maintenance issues, and illicit discharges. The Village website also provides an anonymous hotline for code enforcement complaints.

**BMP No. C1** Stormwater Atlas

**Measurable Goal(s), including frequencies:** Annually review the storm sewer map and update as needed.

**Milestones:** **Year 13:** Review the storm sewer map and update as needed.

**BMP Status:** The Village of Wheeling has an existing storm sewer atlas. The atlas shows all of the Village's outfalls and all receiving waters to which the Village's separate storm sewer system discharges. The atlas is in a GIS based system, which is updated as development occurs.

**BMP No. C2** Illicit Discharge Detection and Elimination Ordinance

**Measurable Goal(s), including frequencies:** Enforce the Illicit Discharge and Connection Ordinance.

**Milestones:** **Year 13:** Continue to enforce the Illicit Discharge and Connection Ordinance.

**BMP Status:** The Village's Illicit Discharge and Connection Ordinance effectively prohibit non-stormwater discharges into the Village's storm sewer system and include enforcement and penalties for ordinance violations.

#### **BMP No. C4 Illicit Discharge Tracing Procedures**

**Measurable Goal(s), including frequencies:** Annually trace all illicit discharges by resident reporting and by Village employees.

**Milestones: Year 13:** Continue tracing illicit discharges.

**BMP Status:** The Village of Wheeling currently has a plan for detection, tracing, and removal of illicit discharges. The plan establishes the Village's procedures for tracing illicit discharges identified through dry weather screening, regular storm sewer maintenance, and public reporting. Each outfall has been inventoried and numbered. No illicit discharge incidents were reported in 2015/16

#### **BMP No. C5 Illicit Discharge Removal Procedures**

**Measurable Goal(s), including frequencies:** Annually remove all illicit discharges detected by resident reporting and by Village employees.

**Milestones: Year 13:** Continue removing illicit discharges

**BMP Status:** The Village of Wheeling currently has a plan for detection, tracing, and removal of illicit discharges. The plan establishes the Village's procedures for removing illicit discharges identified through the tracing program.

#### **BMP No. C7 Visual Dry Weather Screening Program**

**Measurable Goal(s), including frequencies:** Annually perform dry weather screening to detect illicit discharges.

**Milestones: Year 13:** Continue to detect illicit discharges.

**BMP Status:** The Village of Wheeling currently has a plan for detection, tracing, and removal of illicit discharges. The plan establishes the Village's visual dry weather illicit discharge screening procedures. Each outfall has been inventoried and numbered. 28 outfalls to McDonald Creek and Buffalo Creek were inspected. No illicit discharges were found as a result of spill and clean-up activities.

**BMP No. D1/D2/D3/D4/D6** Construction Site Runoff Stormwater Control

**Measurable Goal(s), including frequencies:** The Village will enforce its existing ordinance which regulates soil erosion and sediment control, plan review and site inspection.

**Milestones: Year 13:** Continue to enforce existing ordinances.

**BMP Status:** The Village issued 1,497 building permits during the reporting period. The Village enforces its ordinances for all development.

**BMP No. E2/E3/E4/E5/E6** Post-Construction Stormwater Management

**Measurable Goal(s), including frequencies:** The Village will enforce its existing ordinance which regulates long term operation and maintenance procedures, review of best management practices, and site inspection.

**Milestones: Year 13:** Continue to enforce existing ordinances.

**BMP Status:** The Village issued 1,497 building permits during the reporting period. The Village enforces its ordinances for all development.

**BMP No. F1** Employee Training Program

**Measurable Goal(s), including frequencies:** Formalize stormwater pollution prevention training for Village employees. Annually conduct formal stormwater pollution prevention training for Village employees.

**Milestones: Year 13:** Continue formal stormwater pollution prevention training for City employees.

**BMP Status:** The Village has developed a formalized training program for Village employees. If no employee training occurs for all of the employees, a representative is sent to a training seminar in the area, and the information is distributed to the rest of the employees. During the reporting period, several staff members attended stormwater related training seminars. Training seminars included: Navigating The New MWRD Inflow and Infiltration Reduction Program 6/09/2015.

## **BMP No. F2** Inspection and Maintenance Program

**Measurable Goal(s), including frequencies:** Continue to conduct formal maintenance and inspection and evaluate the effectiveness of the program and update as needed.

**Milestones: Year 13:** Continue conducting formal inspection and maintenance. Review the program for effectiveness and update the program as needed.

**BMP Status:** The inspection and maintenance program has been effective. All 27 of the Village's detention facility outfalls were inspected 5 times. There were 221 Structures cleaned for a total of 187.5 Cubic Yards of material removed. All of the material removed is tested with a handheld PID and PH meter. Material passing the test will be hauled to an offsite dumping location. All material that fails the test will be stored in a separate contaminated bin located within the Village to be remediated and tested until it passes both the PID and the PH tests. Approximately 9 cubic yards of ROW debris was collected. Several sewers were also flushed. The program includes regular ditch maintenance and semi-annual waterway debris removal. 2,622 lane miles of street sweeping eliminated approximately 1,359 cubic yards of debris from entering the Village's stormwater conveyance system.

## **BMP No. F3** Municipal Pollution Prevention Program

**Measurable Goal(s), including frequencies:** Continue to conduct formalized program to prevent stormwater pollution from municipal operations.

**Milestones: Year 13:** Review the program for effectiveness and update the program as necessary.

**BMP Status:** The Village of Wheeling currently has many operational policies that have been effective in preventing stormwater pollution associated with municipal operations. These policies are incorporated into a formal Municipal Stormwater Pollution Prevention Program. The Stormwater Pollution Prevention Plan for the new Public Works Facility has been modified to reflect the new facility and incorporated into the plan. Additional stormwater pollution prevention plans were developed for the new Fire Station, the old Public Works Facility, and the vehicle compound at the new Village Hall and annual site inspection reports are kept on file.

### **C. INFORMATION AND DATA COLLECTION RESULTS**

During the March 2015 to March 2016 reporting period outfalls were inspected (C7) and no illicit discharges detected. In addition, creek sampling was conducted in 2014 by the Buffalo Creek Clean Water Partnership. See BMP C4 in Section D.

### **D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES**

The Village plans to undertake the following activities during the March 2016 to March 2017 reporting period:

#### **BMP No. A1 Distributed Paper Material**

The Village of Wheeling will continue to publish stormwater pollution prevention articles in its resident newsletter. The semi-annual articles will address the following issues: impacts of stormwater discharges on water bodies, measures the public can take to reduce pollutants in stormwater runoff, information on the general public hazards associated with illegal discharges and improper waste disposal, and green infrastructure. Begin discussion on the impact of climate change, such as more frequent high intensity rainfall, which leads to increased runoff and erosion. An increase in runoff and erosion leads to potentially the need for more BMPs such as turf reinforcement mats, drought tolerant plants, and potentially larger storm sewers capable of conveying increased flows due to climate change.

Continue distributing stormwater quality information with each permit application and continue tracking the number of page views on the Stormwater Management page of the Village's website.

**Measurable Goal(s), including frequencies:** Distribute a semi-annual stormwater pollution prevention publication.

**Milestones: Year 14:** Continue to distribute the publication.

#### **BMP No. B7 Public Reporting**

The Village of Wheeling will continue to provide a contact number that residents can use to report stormwater related issues, including ordinance violations, construction site soil erosion and sediment control violations, maintenance issues, and illicit discharges. In addition Identify any environmental justice areas within the Village using the website link: <http://www.epa.gov/environmentaljustice/> and develop strategies to involve the public from these environmental justice areas in the Village's stormwater management program. If there are environmental justice areas within Village limits, begin identifying appropriate public involvement/participation. This may be accomplished by providing notices to residents written in Spanish (or other applicable language) and/or providing a translator at a public meeting held annually.

**Measurable Goal(s), including frequencies:** The Village will continue to inform residents of the contact number. The Village will begin identifying environmental justice areas; if applicable, the Village will begin identifying appropriate public involvement/participation, which may include providing notices to residents written in Spanish (or other applicable language) and/or providing a translator at a public meeting held annually.

**Milestones: Year 14:** If there are environmental justice areas within Village limits, begin implementing various strategies to involve the public in these areas. These strategies may include providing notices to residents written in Spanish (or other applicable language) and/or providing a translator at a public meeting held annually. Continue to inform residents of the contact number to call for reporting stormwater related issues.

**BMP No. C1** Stormwater Atlas

The Village of Wheeling has an existing storm sewer atlas. The atlas shows all of the Village's outfalls and all receiving waters to which the Village's separate storm sewer system discharges. The Village will continue to update the atlas annually.

**Measurable Goal(s), including frequencies:** Annual review the storm sewer map and update as needed.

**Milestones: Year 14:** Review the storm sewer map and update as needed.

**BMP No. C2** Regulatory Control Program

The Village of Wheeling enforces an Illicit Discharge and Connection Ordinance. The ordinance prohibits non-stormwater discharges into the Village's storm sewer system and includes enforcement and penalties for ordinance violations.

**Measurable Goal(s), including frequencies:** Enforce the Illicit Discharge and Connection Ordinance.

**Milestones: Year 14:** Continue to enforce the Illicit Discharge and Connection Ordinance.

**BMP No. C4** Illicit Discharge Tracing Procedures

The Village of Wheeling has implemented a plan for detection, tracing, and removal of illicit discharges. The plan establishes the Village's procedure for tracing illicit discharges identified through dry weather screening, regular storm sewer maintenance, and public reporting.

The Village has an agreement with the Buffalo Creek Clean Water Partnership for stream monitoring. Progress reports are published yearly and as stated in the 2013 Water Quality Report the Partnership is moving toward a long term program of monitoring to determine post construction effectiveness of green infrastructure and restoration projects in the watershed. The Village is currently awaiting the 2014 results.

**Measurable Goal(s), including frequencies:** Annually trace all illicit discharges detected by resident reporting and by Village employees.

**Milestones: Year 14:** Continue tracing illicit discharges.

**BMP No. C5 Illicit Discharge Removal Procedures**

The Village of Wheeling has implemented a plan for detection, tracing, and removal of illicit discharges. The plan establishes the Village's procedure for removing illicit discharges identified through the tracing program.

**Measurable Goal(s), including frequencies:** Annually remove all illicit discharges detected by resident reporting and by Village employees.

**Milestones: Year 14:** Continue removing illicit discharges.

**BMP No. C7 Visual Dry Weather Screening Program**

The Village of Wheeling has implemented a plan for detection, tracing, and removal of illicit discharges. The plan establishes the Village's visual dry weather illicit discharge screening procedures.

**Measurable Goal(s), including frequencies:** Annually perform dry weather screening to detect illicit discharges.

**Milestones: Year 14:** Continue to detect illicit discharges.

**BMP No. D1, D2, D3, D4, D6 Construction Site Runoff Stormwater Control**

Village Code – The Village has adopted the Lake County Watershed Development Ordinance (WDO) and along with the Village Code uses those provisions to regulate the long term operation and maintenance of Best Management Practices throughout the Village and on

Development Sites as well as stormwater pollution prevention on Village owned property and facilities.

**Measurable Goal(s), including frequencies:** Enforce the existing ordinances.

**Milestones: Year 14:** Continue to enforce the existing ordinances.

**BMP No. E2, E3, E4, E5, E6, E7** Post-Construction Stormwater Management

Post-Construction Stormwater Management for New Development and Re-Development Village Code – The Village has adopted the Lake County Watershed Development Ordinance (WDO) and along with the Village Code uses those provisions to regulate the long term operation and maintenance of Best Management Practices throughout the Village and on Development Sites as well as stormwater pollution prevention on Village owned property and facilities. In addition Village Engineering Standards are used to address post-construction runoff from new development and re-development. The Village reviews proposed site plans prior to issuing permits for development. Ongoing projects are inspected regularly to ensure conformance with the approved site plan. All stormwater storage facilities constructed as part of a private development remain under private ownership and are maintained by the owner.

The Village will begin developing and implementing a process to assess the impacts of global climate change in the design of all new and retrofit flood management projects. Climate change involves more frequent high intensity rainfall, which leads to increased runoff and erosion. An increase in runoff and erosion can be offset by constructing more BMPs (such as turf reinforced mats), installing more drought tolerant plants, and installing larger storm sewers capable of conveying the increased runoff due to climate change. Information on climate change may be found at the following website link: <http://www.epa.gov/climatechange/>. Water quality monitoring must include not only visual inspections of stormwater outfalls but also sampling of various waterbodies throughout Village limits. This sampling of various waterbodies may include in-stream monitoring, sediment monitoring, outfall/discharge monitoring, or BMP performance monitoring and must be performed within 48 hours of a precipitation event greater than or equal to one quarter inch in a 24-hour period. At a minimum, the monitoring shall include the following parameters: total suspended solids, total nitrogen, total phosphorous, fecal coliform, chlorides, and oil and grease.

**Measurable Goal(s), including frequencies:** Enforce the existing ordinances. Annual assessment of program effectiveness.

**Milestones: Year 14:** Continue to enforce the existing ordinances and assess program effectiveness.

### **BMP No. F1 Employee Training Program**

The Village of Wheeling public works department currently conducts regular employee training for municipal operations and safety. A formal training program to educate staff on prevention and reduction of stormwater pollution from municipal activities has been incorporated into the Village's existing training program. The Village has developed goals and guidelines for its formal training program and will continue to look for stormwater pollution prevention training seminars to which it may send its employees.

**Measurable Goal(s), including frequencies:** Formalize stormwater pollution prevention training for Village employees. Annually conduct formal stormwater pollution prevention training for Village employees.

**Milestones: Year 14:** Continue formal stormwater pollution prevention training for Village employees.

### **BMP No. F2 Inspection and Maintenance Program**

The Village has formalized its storm sewer system inspection and maintenance program. The program includes regular ditch maintenance, regular cleaning and maintenance of storm sewer structures, and semi-annual waterway debris removal.

**Measurable Goal(s), including frequencies:** Continue to conduct formal inspection and maintenance. Review the program for effectiveness and update the program as needed.

**Milestones: Year 14:** Continue conducting formal inspection and maintenance. Review the program for effectiveness and update as needed.

### **BMP No. F3 Municipal Pollution Prevention Program**

The Village of Wheeling currently has many operational policies designed to prevent stormwater pollution associated with municipal operations. These policies have been incorporated into a formal Municipal Stormwater Pollution Prevention Program. Annual site inspection reports are documented in the Village Stormwater Program Manual(s). The program is evaluated on an annual basis to determine its effectiveness and modified as necessary. The Village currently stores deicing material in a permanent building. The Village will continue to store deicing material in this manner.

**Measurable Goal(s), including frequencies:** Continue to conduct a formalized program to prevent stormwater pollution from municipal operations.

**Milestones: Year 14:** Review the program for effectiveness and update as needed. Complete Stormwater Pollution Prevention Plans for additional municipally owned facilities.

**BMP No. F6 Other Municipal Operations Controls**

The Village will begin participating with the Buffalo Creek Clean Water partnership in the upcoming future, to assist with the reduction in chloride levels in receiving streams within the watershed.

**Measurable Goal(s), including frequencies:** Participate, with the BCCWP in order to assist with the reduction in chloride levels in receiving streams within the watershed.

**Milestones: Year 14:** Participating with the BCCWP in efforts to assist with the reduction in chloride levels in receiving streams.

**E. NOTICE OF QUALIFYING LOCAL PROGRAM**

The Village of Wheeling is not relying on any other government entity to satisfy permit obligations.

**F. CONSTRUCTION PROJECTS CONDUCTED DURING REPORTING PERIOD**

There were Village funded construction projects that disturbed greater than one acre in 2015

The 4.8 acre “Milwaukee Avenue Parcels Site Improvements” to create compensatory flood storage. Total area of disturbance equaled 4.82 acres.