



# Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## 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, 2019 To March, 2020

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 Wolfgram Email Address: jwolfgram@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

- |                                              |                          |                                           |                          |
|----------------------------------------------|--------------------------|-------------------------------------------|--------------------------|
| 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

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:

5-29-20

Date:

Jeff Wolfgram

Printed Name:

Superintendent of Utility Division

Title:

#### EMAIL COMPLETED FORM TO:

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)

**VILLAGE OF WHEELING, ILLINOIS**  
**2020 ANNUAL FACILITY INSPECTION REPORT**  
**MARCH 2019 TO MARCH 2020 REPORTING PERIOD**

**A. CHANGES TO BEST MANAGEMENT PRACTICES**

There have been no changes to the Village of Wheeling’s Notice of Intent or Best Management Practice (BMP) commitments for the 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 Village has developed a Stormwater Management Plan and has posted it to the Stormwater Management Program section of the Village website, along with the program NOI, annual reports, and other program information.

The following is a status report on each of the BMPs and the activities that were implemented during the 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.

**Milestone:** Continue to distribute the publication.

**BMP Status:** The Village publishes a bimonthly newsletter which is mailed directly to each resident in the Village. Articles published during the reporting period included “Stormwater Runoff Pollution”, “Floods are no myth: Be prepared for the unexpected”, published in the March/April 2019 Newsletter, “Storm Drain/Inlet Cleaning”, published in the September/October 2019 Newsletter, and “Guidelines for leaf disposal”, published in the November/December 2019 Newsletter.

The Village provides stormwater pollution prevention related brochures at the front desk of the public works facility. In addition, articles were published with information on the general public hazards associated with illegal discharges and improper waste disposal, and green infrastructure.

#### **BMP No. B7** Other Public Involvement

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

**Milestones:** Continue to inform residents of the existence of the complaint 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. A reporting and tracking system is maintained by the Village.

A Village Board meeting is held twice per month with opportunities for the public to provide input to the program. A public presentation on the MS4 program was provided on February 3, 2020.

The Village has reviewed the environmental justice areas information from USEPA and determined that the Village does not have environmental justice area concerns.

**BMP No. C1** Stormwater Atlas

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

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

**BMP Status:** The Village 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:** 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:** Continue tracing illicit discharges.

**BMP Status:** The Village 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.

**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:** Continue removing illicit discharges

**BMP Status:** The Village 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.

An illicit discharge was reported on 5/1/2019. A truck had a small hydraulic leak near a storm drain. An environmental contractor was hired to clean up the spill and pumped out the adjacent stormwater structure. Another potential illicit discharge was reported on 6/21/2019, again involving a small hydraulic leak from a truck. Oil dry was applied to the spill by Village staff which was swept up without entering the storm drain system.

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

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

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

**BMP Status:** The Village 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. 30 outfalls to McDonald Creek and Buffalo Creek were screened. No illicit discharges were observed.

**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:** Continue to enforce existing ordinances.

**BMP Status:** The Village issued 1,503 building permits during the reporting period. The Village enforces its ordinances for all development.

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

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

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

**BMP Status:** The Village issued 1,503 building permits during the reporting period. The Village enforces its ordinances for all development. The Village has begun 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.

## **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:** Continue formal stormwater pollution prevention training for Village 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. Village staff received Annual MS4 Program Training February 5, 2020, and the Illinois MS4 Implementation Seminar March 7, 2019. Josh Berman attended a webinar titled “Stormwater: Understanding your system and MS4

requirements” IEPA# 14080 on 5/8/19 and a Sewer Collection Conference IEPA# 13448 on 4/17/19.

**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:** 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 30 of the Village’s detention facility outfalls were inspected. There were 152 structures cleaned for a total of 110.00 cubic yards of material removed. Several sewers were also flushed. The program includes regular ditch maintenance and semi-annual waterway debris removal. 2,615 lane miles of street sweeping eliminated approximately 1,202 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:** Review the program for effectiveness and update the program as necessary.

**BMP Status:** The Village 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.

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

**Measurable Goal(s), including frequencies:** Participate with the Buffalo Creek Clean Water Partnership (BCCWP) in order to assist with the reduction in chloride levels in receiving streams within the watershed. In house creek sampling and monitoring combined with the reduction of sodium chloride applications during de-icing operations.

**Milestones:** Participation in the BCCWP and MWRDGC efforts.

**BMP Status:** The Village is participating in the BCCWP and MWRDGC efforts aimed at reduction in chloride levels in receiving streams. Agreement is informal, and communication is non-regular.

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

The Village is participating in the BCCWP and regional water quality initiatives.

During the reporting period, outfalls were inspected multiple times and no illicit discharges were detected.

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

The Village plans to implement the following activities during the next 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:** Continue to distribute publications.

**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.

**Measurable Goal(s), including frequencies:** The Village will continue to inform residents of the contact number.

**Milestones:** Continue to inform residents of the contact number to call for reporting stormwater related issues. Provide an opportunity for input on the MS4 program at a public meeting.

**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:** 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:** 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.

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

**Milestones:** 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:** 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:** 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:** 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 continue 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/>.

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

**Milestones:** 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:** Annually conduct formal stormwater pollution prevention training for Village employees.

**Milestones:** 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 street sweeping, 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:** Continue conducting formal inspection and maintenance. Review the program for effectiveness and update as needed.

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

The Village 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:** Review the program for effectiveness and update as needed.

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

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

**Milestones:** Participate with the BCCWP in efforts to assist with the reduction in chloride levels in receiving streams. Agreement is informal, and communication is non-regular.

**E. NOTICE OF RELIANCE ON ANOTHER GOVERNMENT ENTITY**

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 three (3) Village funded construction projects that disturbed greater than one acre in the reporting period. Two (2) water main replacement projects were completed. One located on Foster Ave and another on Industrial Ln. A bridge installation started in 2018 on N. Wolf Rd was completed.