



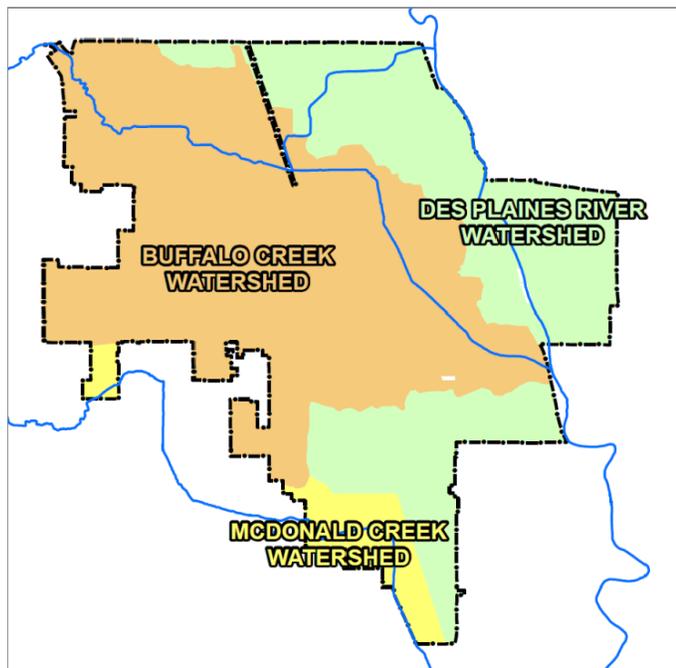
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
NPDES PERMIT FOR STORMWATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

VILLAGE OF WHEELING, ILLINOIS STORMWATER MANAGEMENT PLAN

The Village of Wheeling holds a General National Pollutant Discharge Elimination System (NPDES) Permit for stormwater discharges from its municipal separate storm sewer system (MS4 Permit). The MS4 Permit requires that the Village develop, implement, and enforce a stormwater management program designed to reduce the discharge of pollutants from its stormwater system to the maximum extent practicable to protect water quality.

Stormwater runoff from the Village flows into Buffalo Creek (formerly Wheeling Drainage Ditch), McDonald Creek, and the Des Plaines River. The majority of land in the Village drains to Buffalo Creek which enters the Village in the northwest corner and flows southeast until its confluence with the Des Plaines River just east of the Chicago Executive Airport. The Des Plaines River is a major waterway draining through the eastern portion of the Village. McDonald Creek flows through the southern portion of the Village. McDonald Creek drains into the Des Plaines River south of the Village.

This Stormwater Management Plan (Plan), along with the annual program report and Notice of Intent to comply with the stormwater permit, is designed to provide Illinois EPA and Village residents with a better understanding of the control measures managed and implemented to meet permit requirements and water quality goals.



Program Administration

Village ordinances have been developed to provide the authority to implement MS4 Permit requirements. The Public Works Department Engineering Division is the lead for MS4 program implementation. Public Works Department staff work with Community Development

Department and other Village staff to implement the Plan. Village residents can provide input on this Plan and the overall MS4 program at Village Board meetings, as well as directly to the Public Works Department. An overview of the MS4 program is provided annually.

The Village evaluates the effectiveness of program implementation activities annually and provides an annual report (Annual Facility Inspection Report) by June 1 of each year. Annual reports are kept on the Stormwater Management Program page of the Village's website for a period of 5 years.

Water quality monitoring is performed to gauge the effectiveness of MS4 program implementation. Public Works staff perform monitoring at three locations on Buffalo Creek annually. The Village also participates in the Buffalo Creek Clean Water Partnership for regional water quality coordination. Village staff also evaluates Village-owned facilities, maintenance practices, and drainage system outfalls to assess the effectiveness of this Plan and the overall stormwater program.

The MS4 Permit requires implementation of control measures and best management practices (BMP) in six programmatic areas:

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

The management practices and activities performed by the Village within each of the program areas are described below.

1. Public Education and Outreach

The Village publishes stormwater pollution prevention articles in its resident newsletter. The semi-annual articles provide information on the 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 benefits of green infrastructure.

Local recycling and special waste disposal events are publicized in the newsletter and on the Village's website and e-news for Village residents.

2. Public Participation/Involvement

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. Residents can call the Public Works Department at 847-279-6900 with any water quality concerns and questions.

This Plan is posted to the Stormwater Management Program page of the Village's webpage, along with the Notice of Intent (NOI) and Annual Facility Inspection Report (AFIR), for

resident review and comment. Village residents can provide input on this Plan and the overall MS4 program at Village Board meetings, as well as directly to the Public Works Department. An overview of the MS4 program is provided annually.

The Village participates in the Buffalo Creek Clean Water Partnership for regional water quality coordination.

3. Illicit Discharge Detection and Elimination

The Village has developed a program to detect and eliminate illicit discharges into storm drains and local waterways. The Village has adopted and enforces the Illicit Discharge and Connection Ordinance, which provides the regulatory authority to detect, investigate and eliminate potential illicit discharges. The Village reviews the ordinance and updates its program as necessary.

The Village 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. Spills are responded to by Public Works, with support by local fire department staff if needed, and emergency notification to Illinois EPA and local authorities based on the situation.

Public Works staff inspect high priority storm sewer outfalls annually for evidence of potential illicit discharges. 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, and is updated as development occurs.

4. Construction Site Runoff Control

The Village has adopted the Lake County Watershed Development Ordinance (WDO) and along with the Village Code, uses those provisions to regulate the implementation of Best Management Practices at construction sites within the Village.

The Village has procedures in place that require the review of Best Management Practices (BMP) for proposed developments prior to construction. The intent of these procedures is to reduce or prevent the discharge of pollutants from construction sites through the use of effective BMPs.

Public Works Engineering Division staff investigate and address any construction site deficiencies.

5. Post-Construction Runoff Control

The Village has adopted the Lake County Watershed Development Ordinance (WDO) and along with the Village Code, uses those provisions to regulate post-construction stormwater management requirements and water quality requirements for new development and re-development.

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.

6. Pollution Prevention/Good Housekeeping

The Village implements an operation and maintenance program designed to prevent or reduce the discharge of pollutants from the storm sewer system. The Public Works Department conducts regular employee training for municipal operations and safety. Annual training is provided to educate staff on pollution prevention and reduction of stormwater pollution from municipal activities. Contractors performing work for the Village are also required to be trained.

The Village has many operational policies designed to prevent stormwater pollution associated with municipal operations. These policies have been incorporated into a 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 is modified as necessary.

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. The Village has operational policies designed to prevent storm water pollution associated with municipal operations.

- Road salt is stored on a paved surface and within a permanent structure to protect it from precipitation. The Village's roadway deicing operators receive specific training on best management practices for snow and ice removal, and use only the amount of deicing chemical needed for each weather event.
- Fertilizer and pesticide contractors use best management practices and to apply chemical at the appropriate time and rate.
- Street sweeping, catch basin cleaning, and system cleaning are performed to remove accumulated sediment and pollutants from the system.
- The Village stores diesel fuel and gasoline for its vehicles in appropriate tanks with containment measures.
- Used vehicle oil is stored in a holding tank and periodically hauled away by a recycle/disposal service.
- Material storage bins have been constructed to reduce the runoff from facility material storage areas.
- Maintenance and washing of the Village vehicles is performed in the Village maintenance garage, which drains to the sanitary sewer system.
- Wastes and recyclables are stored in designated containers and areas for proper disposal.

Contacts and Additional Information

To report water quality issues within the Village, contact the Public Works Department at 847-279-6900. If after normal business hours, call the police non-emergency number: 847-459-

2632. For emergency water quality concerns, use the police non-emergency number.

For questions or additional information on this Plan or implementation of the MS4 program, contact the Public Works Department at 847-279-6900.

Additional MS4 Permit program information can be found at Illinois EPA's MS4 webpage:
<http://www.epa.illinois.gov/topics/forms/water-permits/storm-water/ms4/index>