

McLean County Storm Water Management Plan

Executive Summary

The County of McLean is required to submit a Storm Water Management Plan (SWMP) in accordance with United States Environmental Protection Agency (USEPA) law. The document outlines the McLean County's program to develop, implement and enforce a storm water management program designed to reduce the discharge of pollutants to the maximum extent practicable, to protect water quality, and to satisfy the appropriate requirements of the Federal Clean Water Act (CWA) in accordance with the USEPA Phase II program. The SWMP addresses the six minimum control measures as required by state regulations. The plan also identifies McLean County's authority to implement the general permit. The Notice of Intent (NOI) and SWMP were approved by McLean County on **May 21st, 2019**.

Legal Authority

The County of McLean has the fiscal resources to fully implement its Storm Water Management plan. However, the County of McLean is not a 'Home Rule' government agency and accordingly has limitations on its regulatory legal authority. The County of McLean will exercise that regulatory authority it has to the maximum extent practicable and allowable under State and local law.

Permit Coverage Area

The storm water management plan traverses all areas within the Bloomington-Normal Urbanized Area. The combined jurisdictions represent approximately 130,000 residents, approximately 765 miles of roadways and a number of storm water outfalls discharging to the waters of Sugar Creek, Little Kickapoo, Money Creek, Six Mile Creek, and Kings Mill Creek.

The City of Bloomington and the Town of Normal shall be responsible for the portions of the urbanized area within their respective jurisdiction. The County of McLean shall, with the respective townships, be responsible for the unincorporated areas within the urbanized area as delineated on the 2010 Census Map. The goals of the Storm Water Management Plan shall be pursued through the cooperative efforts of all government agencies within the urbanized area.

Reporting Requirements

McLean County will submit its required report annually during the term of the permit cycle. The report will include the status of compliance with the permit conditions, an assessment of the appropriateness of the BMPs and progress towards achieving the measurable goals for each of the six minimum control measures. A summary of the activities McLean County will undertake during the reporting cycle and any changes to BMPs or measurable goals and all relevant data obtained during the reporting period.

Storm Water Management Program

The plan outlines the six minimum control measures, which are expected to result in reductions in pollutants discharged within McLean County. The identified water quality pollutants are fecal coliform, oil and suspended solids. The six minimum controls will address the identified water quality pollutants.

The six minimum controls are:

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

Each measure will be addressed separately below:

#1 - PUBLIC EDUCATION and OUTREACH

The Storm Water Committee has chosen a mix of best management practices (BMPs) to address the fecal coliform, grease and oil, household and lawn/garden chemicals that could potentially end up in local streams or creeks. This control measure will target homeowners, restaurateurs, industry and the general public. An informed and knowledgeable community is crucial to the success of the storm water management program. As the public becomes aware of the personal responsibilities expected of them and others in the community, including the individual actions they can take to protect or improve the quality of area waters, a greater compliance with the storm water program will result. The plan has two major initiatives: the formation of partnerships and the use of educational materials.

Education Materials and Strategies

The Ecology Action Center (EAC) will provide program information, give residents an opportunity to share resources, participate in activities and events in regard to local environmental issues: greenways, bikeways, natural conservation areas, recycling and water quality issues. Education topics might include the benefits of recycling and opportunities for enhancing greenways.

The educational materials will include, but will not be limited to, the following:

- 1) Brochures
- 2) Alternative information sources (websites, bumper stickers, posters, etc.)
- 3) A library of educational materials
- 4) Portable Storm Water Informational Display/Exhibit

Reaching Diverse Audience

The public education program by the Ecology Action Center will use a variety of strategies in which to reach a diverse audience. Mass media campaigns will use a mix of media to generate a watershed message to our audience. Our local strategies will use television and radio ads, including multilingual posters.

The school education program by the Ecology Action Center will target school age children. The programs will teach students the water cycle, the watershed, the benefits of composting and storm water runoff.

The education effort would target homeowners about proper septic system maintenance, proper disposal of used motor oil, chemicals pesticides and household products.

Measurable Goals for Public Education and Outreach

Target Date

BMP Activity

7/19-6/20

1. In cooperation with Ecology Action Center and the County Health Department provide informational materials at appropriate venues such as home shows, fairs, Earth Day and Conservation Day.

7/20-6/21

1. Continue school visits by EAC
2. Provide information to homeowners on proper fertilizer and pesticide use.

7/21-6/22

1. 15% of the school age kids educated.
2. Provide information to homeowners on proper fertilizer and pesticide use.

7/22-6/23

1. 15% of the school age kids educated.
2. Provide information to homeowners on proper fertilizer and pesticide use.

7/23-6/24

1. 15% of the school age kids educated.
2. Provide information to homeowners on proper fertilizer and pesticide use.

#2 - PUBLIC PARTICIPATION/INVOLVEMENT

Support by the citizenry is crucial to the success of the storm water management plan. The measure will involve all socio-economic groups. The public participation program is a key component of the public education measure. Broader public support in the development and decision making process will minimize potential legal challenges.

Strategies

Public meetings will provide an opportunity to discuss various viewpoints and provide input concerning appropriate storm water management policies and BMPs. Community cleanup projects for local streams, riparian corridors, trails, highways, streets, open space and parks will be targeted.

McLean County will continue their Adopt-A-Highway Program to allow community groups or organizations to volunteer to clean roadway right-of-way. The local Geographic Information System (GIS) will be used to map/ stencil inlet locations.

The Ecology Action Center will coordinate the efforts to mark storm water inlets and conduct the “Yard Smart Program” to involve homeowners on ways to maintain their yards by reducing lawn chemical applications, installing rain gardens or rain barrels.

Measurable Goals for Public Participation/Involvement

Target Date

BMP Activity

7/19-6/20

1. Continue inlet stencil program using GIS.

7/20-6/21

1. 35% of neighborhood inlets stenciled.
2. Document the number of problems/incidents resolved as a result of complaints.

7/21-6/22

1. 45% of neighborhood inlets stenciled.
2. Document the number of problems/incidents resolved as a result of complaints.

7/22-6/23

1. 65% of neighborhood inlets stenciled.
2. Document the number of problems/incidents resolved as a result of complaints.

7/23-6/24

1. 80% of neighborhood inlets stenciled.
2. Document the number of problems/incidents resolved as a result of complaints.

#3 - ILLICIT DISCHARGE DETECTION and ELIMINATION

The illicit discharge detection measure will involve both municipal staff and local citizens. Each jurisdiction will locate illicit discharge problems areas through public complaints, visual screening and dry weather screening methods. The program will work to detect and eliminate illicit discharges.

Strategies

The local Geographic Information System (GIS) will be used to map the location of all storm sewer outfalls and all the waters that receive storm water discharges. The GIS will also allow the input of citizen complaints and dry weather screening and monitoring data.

Measurable Goals for Illicit Discharge Detection and Elimination

Target Date

BMP Activity

7/19-6/20

1. Document the number of citizen complaints of illicit connections and the results of actions taken.

7/20-6/21

1. Disconnection of any identified illicit discharges.
2. Document the number of citizen complaints of illicit connections and the results of actions taken.

7/21-6/22

1. Disconnection of any identified illicit discharges.
2. Document the number of citizen complaints of illicit connections and the results of actions taken.

7/22-6/23

1. Disconnection of any identified illicit discharges.
2. Document the number of citizen complaints of illicit connections and the results of actions taken.

7/23-6/24

1. 100% of mapping efforts completed.
2. 70% of determined illicit sources disconnected
3. Document the number of citizen complaints of illicit connections and the results of actions taken.

#4 - CONSTRUCTION SITE RUNOFF CONTROL

McLean County recognizes that construction sites can deposit a significant amount of silts and sediments in a short period of time. The Phase II rules require McLean County to develop a storm water management program. McLean County has adopted an Erosion and Sediment Control (ESC) as part of their Land Subdivision Ordinance to reduce construction pollutants in its storm water runoff. The ordinance requires developers, builders or owners to submit a plan that contains measures to reduce soil erosion.

McLean County's Zoning Ordinance also requires ESC for construction sites when building permits are issued with disturbance of 5,000 square feet or more. Erosion and sediment control measures shall also be provided for stockpiles that remain in place for more than three days.

Sites will then be inspected to ensure that the developers, builders and owners are in compliance with the erosion and sediment control plan. Staff will also try to insure that all developments have an NPDES permit for erosion and sediment control.

Measurable Goals for Construction Site Runoff Control

Target Date

BMP Activity

7/19-6/20

1. Continue implementation and enforcement of the ESC plan per the McLean County Subdivision ordinance.
2. Make inspections of construction sites for compliance with NPDES permits.

7/20-6/21

1. Continue implementation and enforcement of the ESC plan per the McLean County Subdivision ordinance.
2. Continue inspections of construction sites for compliance with NPDES permits.

7/21-6/22

1. Continue implementation and enforcement of the ESC plan per the McLean County Subdivision ordinance.
2. Continue inspections of construction sites for compliance with NPDES permits.

7/22-6/23

1. Continue implementation and enforcement of the ESC plan per the McLean County Subdivision ordinance.
2. Continue inspections of construction sites for compliance with NPDES permits.

7/23-6/24

1. Continue implementation and enforcement of the ESC plan per the McLean County Subdivision ordinance.
2. Continue inspections of construction sites for compliance with NPDES permits.

#5 - POST-CONSTRUCTION RUNOFF CONTROL

McLean County adopted a Stream Buffer Ordinance in 2010, which includes, but is not limited to, the 100-year flood plain.

Structural BMPs shall include the use of wet and dry retention basins, which will principally be used in the urban environment.

Measurable Goals for Post Construction Runoff Control

Target Date

BMP Activity

7/19-6/20

1. Continue policy of construction and maintenance of wet/dry detention basins.
2. Document the amount of acreage preserved as buffers.

7/20-6/21

1. Continue policy of construction and maintenance of wet/dry detention basins.
2. Document the amount of acreage preserved as buffers.

7/21-6/22

1. Continue policy of construction and maintenance of wet/dry detention basins.
2. Document the amount of acreage preserved as buffers.

7/22-6/23

1. Continue policy of construction and maintenance of wet/dry detention basins.
2. Document the amount of acreage preserved as buffers.

7/23-6/24

1. Continue policy of construction and maintenance of wet/dry detention basins.
2. Document the amount of acreage preserved as buffers.

#6 - POLLUTION PREVENTION/GOOD HOUSEKEEPING

The McLean County Pollution Prevention/Good Housekeeping Measure for municipal operations program goal is to reduce pollutant runoff from municipal operations. The vehicle maintenance program requires that all County Highway Department operated vehicles be regularly inspected to eliminate the amount of oil, grease, and fluid leaks. A program for the inspection of storm drains will be developed.

Measurable Goals for Pollution Prevention/Good Housekeeping

Target Date

BMP Activity

7/19-6/20

1. Review vehicle maintenance program.
2. Continue research of road salt alternatives
3. Inspect & clean 20% of storm water inlets.

7/20-6/21

1. Implement vehicle maintenance program.
2. Continue to research road salt alternatives
3. Inspect & clean 20% of storm water inlets.

7/21-6/22

1. Continue vehicle maintenance program.
2. Continue to research road salt alternatives
3. Inspect & clean 20% of storm water inlets.

7/22-6/23

1. Continue vehicle maintenance program.
2. Continue to research road salt alternatives
3. Inspect & clean 20% of storm water inlets.

7/23-6/24

1. Continue vehicle maintenance program.
2. Continue to research road salt alternatives
3. Inspect & clean 20% of storm water inlets.