

SECTION VI EDUCATION PROGRAM

EDUCATION PROGRAM

This narrative, relevant BMP pages, and Education Activity Implementation Plan represent the City of Bloomington's Education Program to distribute educational materials to the community and/or conduct outreach activities about the impacts of storm water discharges on water bodies and steps that the public can take to reduce pollutants in storm water runoff.

This program is led by the Public Works Project Coordinator and implemented as outlined in the Education Activity Implementation Plan and BMP pages.

The target audiences and educational goals for each audience as outlined for each of the six minimum control measures represents the focus of the City of Bloomington's education program. Actual education BMPs are listed below and in the BMP Summary Sheets, as well as described in the BMP pages. Measurable goals for the education program can be the same as the educational goals when they are practical to measure. However, for this permit, measurable goals for each BMP or educational activity are specifically listed in the BMP pages.

This education program individually addresses each minimum control measure as outlined in Permit No: MN R 040000:

1. Public Education and Outreach
2. Public Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Storm Water Runoff Control
5. Post-Construction Storm Water Management in New Development and Redevelopment
6. Pollution Prevention/Good Housekeeping for Municipal Operations

I. PUBLIC EDUCATION AND OUTREACH

BMPs for this minimum control measure are listed in the Education Activity Implementation Plan as well as on the BMP pages and BMP Summary Sheets. The target audience for this minimum control measure includes the general public, K-12 students, homeowners, business owners, property managers, and government officials. The educational goals for each audience are listed below. In addition, activities used to reach educational goals are found on the following BMP pages and in the minimum control measure summary. Each goal below is linked to an activity by the BMP number as shown. Activity implementation plans and available performance measures or measurable goals that can be used to determine success in reaching educational goals are listed in the following BMP pages and minimum control measure summary.

I.1a Target audience:

- General public
- K-12 students

I.1b Goals for audience:

SECTION VI EDUCATION PROGRAM

- Become aware of the operation of the storm sewer system and conveyances to local waterbodies.
- Be able to identify hazardous wastes and recognize how wastes are transported to waterbodies and why they are harmful.
- Understand proper disposal methods and locations for hazardous wastes
- Understand the benefits of proper yard care and home maintenance to minimize impacts to water resources
- Utilize a hotline or other methods to report concerns or ask questions relating to water resources and the storm water conveyance system.

I.1c BMPs:

- 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,33,34,44

I.2a Target audience:

- Homeowners
- Business owners
- Property managers

I.2b Goals for audience:

- Become aware of the operation of the storm sewer system and conveyances to local waterbodies.
- Understand methods for maintaining landscape to minimize sources of runoff pollution.
- Become aware of the connectivity of impervious surfaces to the storm water conveyance system and local waterbodies.
- Utilize a hotline or other methods to report concerns or ask questions relating to water resources and the storm water conveyance system.

I.2c BMPs:

- 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,33,34,44

I.3a Target audience:

- Government officials

I.3b Goals for audience:

- Understand the connection between land use practices and surface water quality.
- Be aware of available best management practice techniques use to preserve or improve surface water quality.
- Understand and support regulations aimed at controlling runoff rate and volume and improving runoff quality.
- Communicate to citizens the importance of water resources management.

I.3c BMPs:

- 2,3,4,8,11,15,33,34

SECTION VI EDUCATION PROGRAM

II. PUBLIC PARTICIPATION / INVOLVEMENT

BMPs for this minimum control measure are listed in the Education Activity Implementation Plan as well as on the BMP pages and BMP Summary Sheets. The target audience for this minimum control measure includes: the general public, K-12 students, homeowners, business owners, MS4 staff, and government officials. Activities used to reach educational goals, activity implementation plans, and available performance measures or measurable goals that can be used to determine success in reaching educational goals are listed in the following BMP pages. Each goal below is linked to an activity by the BMP number as shown.

II.1a Target audience:

- General public
- K-12 students
- Homeowners
- Business owners

II.1b Goals for audience:

- Be aware that the City of Bloomington has a Storm Water Pollution Prevention Program (SWPPP).
- Be informed of the annual public meeting concerning the SWPPP.
- Be aware that input into the SWPPP is encouraged and understand the process for providing input.
- Have opportunities to take positive actions to prevent runoff pollution.

II.1c BMPs:

- 1,2,3,9,10,11,12,13,14,15,16,44

II.2a Target audience:

- MS4 staff
- Government officials

II.2b Goals for audience:

- Be aware that the City of Bloomington has a Storm Water Pollution Prevention Program (SWPPP).
- Be informed of the annual public meeting concerning the SWPPP.
- Be aware that input into the SWPPP is encouraged and understand the process for providing input.
- Have opportunities to take positive actions to prevent runoff pollution.
- Facilitate interested members of the public to provide input into the SWPPP.
- Facilitate interested members of the public to take positive actions to prevent runoff pollution.

II.2c BMPs:

- 2,3,4,11,15

SECTION VI EDUCATION PROGRAM

III. ILLICIT DISCHARGE DETECTION AND ELIMINATION

BMPs for this minimum control measure are listed in the Education Activity Implementation Plan as well as on the BMP pages and BMP Summary Sheets. The target audience for this minimum control measure includes: the general public, homeowners, business owners, property managers, MS4 staff, government officials, and other commercial/industrial operations. Activities used to reach educational goals, activity implementation plans, and available performance measures or measurable goals that can be used to determine success in reaching educational goals are listed in the following BMP pages. Each goal below is linked to an activity by the BMP number as shown.

III.1a Target audience:

- General public
- Homeowners
- Business owners
- Property managers
- Other commercial/industrial operations

III.1b Goals for audience:

- Be aware that the City of Bloomington has a Storm Water Pollution Prevention Program (SWPPP).
- Become aware of the operation of the storm sewer system and conveyances to local waterbodies.
- Become aware of what an illicit discharge is.
- Understand the impacts of illicit discharges to local waterbodies.
- Understand proper landscape maintenance to prevent illicit discharges.
- Understand proper system or operations maintenance to prevent illicit discharges.
- Perform regular maintenance of landscape, facilities, equipment, and especially privately owned pollution control devices to ensure proper operation and prevent illicit discharges.
- Utilize a hotline or other methods to report possible illicit discharges to the proper authority.
- Cease disposal of non-storm water wastes in the storm sewer system.
- Understand proper disposal methods and locations for hazardous wastes.
- Understand proper storage methods of materials that may contribute to an illicit discharge.

III.1c BMPs:

- 1,2,3,4,6,8,9,10,11,14,15,16

III.2a Target audience:

- MS4 staff
- Government officials

III.2b Goals for audience

SECTION VI EDUCATION PROGRAM

- Be aware that the City of Bloomington has a Storm Water Pollution Prevention Program (SWPPP).
- Become aware of the operation of the storm sewer system and conveyances to local waterbodies.
- Become aware of what an illicit discharge is.
- Understand the impacts of illicit discharges to local waterbodies.
- Understand proper system or operations maintenance to prevent illicit discharges.
- Provide appropriate education material to businesses or homeowners about the problems associated with improper disposal of wastes, improper connections to the storm sewer system, and illegal dumping.

III.2c BMPs:

- 2,3,4,8,11,15

IV. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

BMPs for this minimum control measure are listed in the Education Activity Implementation Plan as well as on the BMP pages and BMP Summary Sheets. The target audience for this minimum control measure include: the general public, business owners, property managers, engineers and architects, property developers, construction industry, MS4 staff, and government officials. Activities used to reach educational goals, activity implementation plans, and available performance measures or measurable goals that can be used to determine success in reaching educational goals are listed in the following BMP pages. Each goal below is linked to an activity by the BMP number as shown.

IV.1a Target Audience:

- General public
- Business owners
- Property managers

IV.1b Goals for audience:

- Understand that soil erosion is a source of surface water pollution
- Understand the impacts of sediment loading to a waterbody as a result of soil erosion
- Be aware that construction sites of all sizes need to minimize the potential for erosion and methods to keep soil on site.
- Utilize a hotline or other methods to contact the proper authority to report erosion control concerns or ask technical questions.
- Know how to prevent erosion on their property.

IV.1c BMPs:

- 1,2,3,4,11,13,15

IV.2a Target Audience:

- Engineers and architects
- Property developers

SECTION VI EDUCATION PROGRAM

- Construction industry

IV.2b Goals for audience:

- Understand that soil erosion is a source of surface water pollution
- Understand the impacts of sediment loading to a waterbody as a result of soil erosion
- Be aware that construction sites of all sizes need to minimize the potential for erosion and methods to keep soil on site.
- Understand the erosion control requirements of the City of Bloomington.
- Be aware of all construction activities on their site and understand how erosion control is incorporated.
- Develop comprehensive erosion control plans that are effective and practical.
- Understand how to effectively maintain erosion control best management practices to insure proper operation.
- Understand how to properly select and install erosion control devices.
- Be aware of the importance of post-storm event inspections to insure proper operation of all erosion control devices.

IV.2c BMPs:

- 2,4,11,15,36

IV.3a Target audience:

- MS4 staff
- Government officials

IV.3b Goals for audience:

- Understand that soil erosion is a source of surface water pollution.
- Understand the impacts of sediment loading to a waterbody as a result of soil erosion.
- Be aware that construction sites of all sizes need to minimize the potential for erosion and methods to keep soil on site.
- Understand the erosion control requirements of the City of Bloomington.
- Be aware of the City's erosion control ordinance and inspection procedures.
- Understand how to effectively maintain erosion control best management practices to insure proper operation.
- Understand how to properly select and install erosion control devices.

IV.3c BMPs:

- 2,4,11,15,31,32,36

V. POST CONSTRUCTION STORM WATER MANAGEMENT

BMPs for this minimum control measure are listed in the Education Activity Implementation Plan as well as on the BMP pages and BMP Summary Sheets. The target audience for this minimum control measure include: the general public, business owners, property managers, engineers and architects, property developers, construction industry, MS4 staff, and government officials. Activities used to reach educational goals,

SECTION VI EDUCATION PROGRAM

activity implementation plans, and available performance measures or measurable goals that can be used to determine success in reaching educational goals are listed in the following BMP pages. Each goal below is linked to an activity by the BMP number as shown.

V.1a Target audience:

- General public
- Business owners
- Property managers

V.1b Goals for audience:

- Be aware of practices they can implement to minimize erosion and storm water runoff from their property.
- Be aware resources available to assist in installing or implementing best management practices.

V.1c BMPs:

- 1,2,3,4,8,11,15,33,34

V.2a Target audience:

- Engineers and architects
- Property developers
- Construction industry

V.2b Goals for audience:

- Understand the impacts of urban development on storm water runoff volumes, rates, and quality.
- Understand site design and on-going maintenance of storm water best management practices.
- Be aware of site maintenance practices that will minimize the potential for erosion and other storm water impacts.
- Be aware of conditions that lead to poor or inadequate drainage.
- Include innovative storm water best management practices into site design.

V.2c BMPs:

- 2,4,11,15,33,34,36,41,42

V.3a Target audience:

- MS4 staff
- Government officials

V.3b Goals for audience:

- Understand the impacts of urban development on storm water runoff volumes, rates, and quality.
- Understand the City of Bloomington's development plan review process.
- Understand City ordinances pertaining to storm water management in conjunction with new development and redevelopment.

SECTION VI EDUCATION PROGRAM

- Promote post-construction storm water management techniques.

V.3c BMPs:

- 2,3,4,8,11,15,33,34,36,48

VI. POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMPs for this minimum control measure are listed in the Education Activity Implementation Plan as well as on the BMP pages and BMP Summary Sheets. The target audience for this minimum control measure includes: MS4 staff and government officials. Activities used to reach educational goals, activity implementation plans, and available performance measures or measurable goals that can be used to determine success in reaching educational goals are listed in the following BMP pages. Each goal below is linked to an activity by the BMP number as shown.

VI.1a Target audience:

- MS4 staff
- Government officials

VI.1b Goals for audience:

- Understand proper erosion control techniques and best management practices to minimize storm water impacts
- Become aware of the operation of the storm sewer system and conveyances to local waterbodies.
- Perform regular maintenance of landscape, facilities, equipment, and pollution control devices to ensure proper operation to minimize storm water impacts.
- Be aware of landscape maintenance techniques and procedures used to minimize storm water impacts and improve surface water quality.
- Recognize proper methods for storage of materials and equipment that avoid runoff pollution.
- Understand proper application procedures of fertilizers, pesticides, and other chemicals.
- Understand proper operation of maintenance equipment and procedures.
- Be aware of methods for proper application of salt/sand mix.

VI.1c BMPs:

- 1,2,4,15,19,31,32,33,34,38,46

COORDINATION

This education program is intended to be coordinated with and effectively utilize other storm water education programs conducted in the metropolitan area as appropriate. BMP #4 (Education Activity Implementation Plan) was developed in 2003. This plan identifies the components of the City of Bloomington's education plan for the duration of the permit. It is anticipated that this plan will include programs and resources being conducted by other entities, including, but not limited to; community groups, organizations, watershed districts, conservation districts, watershed management

SECTION VI EDUCATION PROGRAM

organizations, school districts, University of Minnesota Extension, Center for Global Environmental Education, and county, regional, state, and federal government. More specifically, the City will work with University of Minnesota Extension to implement the Metro Storm Water Education “Let’s Keep It Clean” Campaign that will utilize existing programs and pool resources to develop area-wide public education programs.

EDUCATION ACTIVITY IMPLEMENTATION PLAN

The Education Activity Implementation Plan is comprised of all BMPs designed to distribute educational materials to the community and conduct outreach activities about the impacts of storm water discharges on water bodies and what the public can do to reduce pollutants in storm water runoff.

This Education Activity Implementation Plan is based entirely from the Education Program outlined in this Section of the Storm Water Pollution Prevention Program. This Education Activity Implementation Plan is led by the Public Works Project/Education Coordinator and implemented as outlined in this section and Section VII of this SWPPP. In addition to the BMPs listed here, the City of Bloomington will continue to work cooperatively with the Metro Watershed Partners, Watershed Districts, University of Minnesota, Center for Global Environmental Education, and others who have an interest in providing educational opportunities on storm water.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Education Coordinator

BMP Number: 1

Description: The City of Bloomington designated an education coordinator to oversee and direct the education program outlined in this Storm Water Pollution Prevention Program. The education coordinator serves as a liaison with area water resources educators, schools, the general public, and other local and state agencies and education institutions. The education coordinator may implement additional resources to execute the BMPs listed in this program.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X	X	X	X	X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X	X	X	X			

Educational Goals: The Education Coordinator oversees the education program outlined in the SWPPP and ensure that the education activities and associated BMPs are implemented as outlined.

Implementation: The Education Coordinator was identified in 2003.

Measurable Goals: The Education Coordinator duties were assumed by the Public Works Project Coordinator, 952-563-8751.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Annual Public Meeting on Storm Water Pollution Prevention Program & Annual Report

BMP Number: 2

Description: The City of Bloomington will hold one annual public meeting each year to inform the public and others on the status of the city's Storm Water Pollution Prevention Program and annual report. In addition, the public meeting will provide the public and interested persons the opportunity to comment and provide input on the program. The meeting will be held prior to submittal of the annual report to the Commissioner and relevant comments and input as well as responses will be included in the annual report.

The annual public meeting will be held within the city limits of Bloomington at a time generally convenient for persons expected to attend. Notice will be published in the local newspaper and appear on the City's web site at least 30 days prior to the meeting. The notice will contain reference to the Storm Water Pollution Prevention Program, meeting date, time, and location. It will also contain a manner in which the meeting will be conducted and indicate where copies of the Storm Water Pollution Prevention Program are available for review.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X	X	X	X	X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X	X	X	X	X	X	X

Educational Goals: The goal of the annual meeting is to inform the public on the status of the City's Storm Water Pollution Prevention Program and provide interested members of the public an opportunity to comment and provide input on the SWPPP. Relevant input will be incorporated in the annual report and the SWPPP will be modified accordingly.

Implementation: The Engineering Division will coordinate and hold one annual public meeting. Notice will be published in the local paper at least 30 days prior to the meeting.

Measurable Goals: Report of meeting results and summary of public comment taken.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Environmental Fair

BMP Number: 3

Description: In 1998, the City of Bloomington began sponsoring a one-half day educational festival to promote clean water and surface water quality. The Clean Water Festival is intended to be an annual event aimed at providing school age children as well as adults educational opportunities as well as opportunities to interact with water resources displays, environmental representatives, and local government representatives.

The Environmental Fair is typically held in the spring of each year and calls on volunteers from local schools and the public works sector to ensure a successful program. The logistics of the Environmental Fair may be altered from year to year based on past year's success and anticipated participation to optimize the educational opportunity.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X	X		X	

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X	X	X	X			

Educational Goals: An event aimed at providing school age children as well as adults educational opportunities on storm water pollution prevention.

Implementation: The Education Coordinator will implement the Environmental Fair or similar education event designed to meet the above educational goals.

Measurable Goals: Event attendance and volunteers.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Education Activity Implementation Plan

BMP Number: 4

Description: This document serves as the education activity implementation plan to go into effect in 2004 of the NPDES Phase II Permit. The education activity implementation plan is made up of components already implemented and includes new programs and partnerships as identified.

The education activity implementation plan has components to distribute educational materials to the community and conduct outreach activities about the impacts of storm water discharges on water bodies and what the public can do to reduce pollutants in storm water runoff.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X	X	X	X	X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X	X	X	X	X	X	X

Educational Goals: The Goal of the Education Activity Implementation Plan is to provide a framework or guidance on the implementation of educational activities.

Implementation: The Education Activity Implementation Plan was completed in conjunction with submission of the first annual report.

Measurable Goals: The Education Activity Implementation Plan.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Phosphorus Free Fertilizer Law and Ordinance Information

BMP Number: 5

Description: The City of Bloomington distributed information to the public regarding the City's phosphorus free fertilizer ordinance and State of Minnesota phosphorus fertilizer law.

The City provided brochures and copies of the City ordinance to retailers to be available to customers.

The ordinance is posted on the City's web site with a link to the State law to be added.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X					

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X						

Educational Goals: The overall goal of this education activity is for the target audiences to understand the benefits of proper yard care and home maintenance to minimize impacts to water resources.

Implementation: Information was distributed in 2003. Additional information will be maintained on the City's website or be distributed as appropriate.

Measurable Goals: Number of brochures distributed, number of retail outlets originally supplied with information, existence of the city ordinance on the city's website.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Illicit Discharge Detection/Elimination Information

BMP Number: 6

Description: The City of Bloomington will publish and distribute brochures or post information on the City's web site to inform employees, businesses, and the general public of the hazards associated with illegal discharges and improper disposal of wastes.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X		X			

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X			X			

Educational Goals: The overall goal of this BMP is for the target audiences to understand proper disposal methods for hazardous wastes and understand the impacts of illicit discharges to local waterbodies.

Implementation: This BMP is scheduled to be implemented in 2006 and 2007.

Measurable Goals: Number of publications or web site postings concerning illicit discharge detection/elimination.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Fall Yard Care Information

BMP Number: 7

Description: The City of Bloomington will make available information describing fall yard care techniques appropriate for minimizing pollutants in runoff. The Public Works Department may mail brochures to residential households or publish the brochure in a local newspaper.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X					

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X						

Educational Goals: The overall goal of this BMP is for the target audience to become aware of the connectivity of impervious surfaces to the storm water conveyance system and local waterbodies as well as understand the connection between land use practices and surface water quality.

Implementation: 2003.

Measurable Goals: Number of brochures distributed or articles published/posted.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Water Resources Articles in the Bloomington Briefing

BMP Number: 8

Description: The City of Bloomington will continue to publish water resources related articles in the local newspaper. Regular publications on topics such as yard care techniques are currently published in the Bloomington Briefing approximately quarterly.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X		X		X	

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X	X	X	X			

Educational Goals: The goal of this BMP is to provide information to allow the target audiences to be aware of available best management practice techniques used to preserve or improve surface water quality.

Implementation: On-going

Measurable Goals: Number/dates of publications.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Curbside Cleanup Program

BMP Number: 9

Description: The City of Bloomington administers an annual curbside cleanup program that involves residents and households in cleaning up and properly disposing of wastes. The curbside cleanup program provides residents an opportunity to dispose of unwanted items as well as large and problem waste items.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X	X			

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X			X			

Educational Goals: The goal of this BMP is to provide a means to understand proper disposal methods and locations for hazardous wastes.

Implementation: Annually contingent upon funding sources.

Measurable Goals: Number of participating households or amount of waste collected.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Storm Sewer Inlet Markers

BMP Number: 10

Description: The City of Bloomington cooperated in 2002 with the Nine Mile Creek Watershed District on a storm water inlet marker project. The City may work with the District or other Watershed Districts or education partners to implement future storm sewer inlet marker projects.

New city construction projects include a standard catch basin casting that has “DUMP NO WASTE DRAINS TO RIVER” cast into each curb inlet.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X	X			

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X			X			

Educational Goals: The overall goal of this BMP to provide information to the target audiences to allow them to become aware of the operation of the storm sewer system and conveyances to local waterbodies.

Implementation: Pilot project completed in 2002. Inspection and review to be completed throughout the duration of this permit.

Measurable Goals: Number of storm sewer inlets marked. Number of new stamped catch basin castings installed.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Water Resources Web Site

BMP Number: 11

Description: The City of Bloomington maintains a web site and links to other existing sites to provide citizens a resource to research water resources related topics.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X		X	X	

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X	X	X	X	X	X	X

Educational Goals: The overall goal of this education activity is to communicate the importance of water resources management and for the target audiences to understand and support water resources regulations.

Implementation: 2004

Measurable Goals: Web site address, number of external links, erosion control details available to download.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Adopt-A-Wetland Program

BMP Number: 12

Description: The City of Bloomington administers the Adopt-A-Wetland Program within the City. This program allows citizens the opportunity to undertake activities to improve the quality and appearance of local wetlands.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X				

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X						

Educational Goals: The overall goal of this BMP is for the target audiences to become aware of the operation of the storm sewer system and conveyances to local waterbodies as well as understand the connectivity of impervious surfaces to the storm water conveyance systems and local waterbodies.

Implementation: On-going

Measurable Goals: Number of adopted wetlands.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Erosion Control Hotline

BMP Number: 13

Description: The City of Bloomington Engineering Division has established a phone number for receiving erosion control related complaints/concerns. Calls received will be incorporated into the existing inspections program to include corrective measures and follow-up activities as directed by City Code or other regulation.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
	X		X		

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X						

Educational Goals: The overall goal of this BMP is for the target audience to be able to utilize this hotline or other methods to contact the proper authority to report erosion control concerns or ask technical questions.

Implementation: 2004

Measurable Goals: Number of contacts.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Hennepin County Hazardous Waste Disposal Center

BMP Number: 14

Description: The City of Bloomington continues to promote the use of the Hennepin County Hazardous Waste Disposal Center located at 1800 West 96th Street.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X	X			

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X			X			

Educational Goals: The overall goal of this BMP is for the target audience to understand and utilize proper disposal methods and locations for hazardous wastes.

Implementation: On-going

Measurable Goals: Number of publications or notifications promoting the hazardous waste disposal center.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Public Notice of Annual Meeting

BMP Number: 15

Description: The City of Bloomington publishes public notice regarding the Storm Water Pollution Prevention Program Annual Meeting at least 30 days prior to the actual meeting.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X	X	X	X	X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X	X	X	X	X	X	X

Educational Goals: The goal of this BMP is to allow the target audience the ability to be aware that the City of Bloomington has a Storm Water Pollution Prevention Program, be informed of the annual public meeting concerning the SWPPP. An additional goal is to have the target audience understand the process for providing input to the SWPPP and be aware that input into the SWPPP is encouraged.

Implementation: At least 30 days prior to Annual Meeting.

Measurable Goals: Public Notice - Annual meeting attendance - Comments received

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Illicit Discharge/Spill Complaint Line

BMP Number: 16

Description: The City of Bloomington will establish a complaint mechanism for the general public to contact City officials to report suspected illicit discharges, spills, or illegal dumping.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X	X			

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X		X	X	X			X			

Educational Goals: The goal of this BMP is for citizens to utilize a mechanism for reporting potential illicit discharges and to understand proper disposal methods of materials that may contribute to an illicit discharge.

Implementation: 2007

Measurable Goals: Complaint line, web address, number of complaints.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Operation and Maintenance Program for Municipal Operations

BMP Number: 31

Description: The City of Bloomington plans to develop and implement an operations and maintenance program including a training component to reduce the pollutant loading from municipal operations.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
		X			X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
					X	X				

Educational Goals: The overall goal of this BMP for the target audience to understand proper operation of maintenance equipment and procedures, recognize proper methods for storage of materials and equipment to avoid runoff pollution, and become aware of the operation of the storm sewer system and conveyances to local waterbodies.

Implementation: On-going

Measurable Goals: Inspections Programs - Training Program.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Erosion Control Training

BMP Number: 32

Description: The City of Bloomington is requiring advanced training of Engineering Division personnel that are responsible for inspecting erosion control on city and private construction projects.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
			X	X	X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
					X	X				

Educational Goals: The overall goal of this education activity is for the target audience to understand the impacts of sediment loading to a waterbody as a result of soil erosion and to understand how to effectively maintain erosion control best management practices to insure proper operation.

Implementation: 2003

Measurable Goals: Number of certified inspectors.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Comprehensive Surface Water Management Plan

BMP Number: 33

Description: The City of Bloomington has a Comprehensive Surface Water Management Plan that provides direction concerning the administration and implementation of water resources and water-resources related activities within the City.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X		X	X	X	X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X	X	X	X	X	X	X

Educational Goals: The overall goal of this education activity is for the target audience to understand the connection between land use practices and surface water quality, be aware of best management practice techniques to preserve or improve surface water quality, and to understand and support regulations aimed at controlling storm water runoff and improving water quality.

Implementation: 2000

Measurable Goals: Plan - Completed capital improvements.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Wetland Protection and Management Plan

BMP Number: 34

Description: The City of Bloomington developed a guide plan to provide direction concerning the protection and management of wetland resources within the City. The WPMP serves the City as a means to protect wetlands designated uses and future use classifications as inventoried. The plan was reviewed and approved by all appropriate state and local agencies.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X		X	X	X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X	X	X	X	X	X	X

Educational Goals: The overall goal of this education activity is for the target audience to understand the connection between land use practices and surface water quality, be aware of best management practice techniques to preserve or improve surface water quality, and to understand and support regulations aimed at controlling storm water runoff and improving water quality.

Implementation: 1997

Measurable Goals: Plan - Completed capital improvements.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Development Plan Review

BMP Number: 36

Description: The City of Bloomington Engineering Division reviews proposed development and redevelopment plans through the Development Review Committee process. The Engineering Division reviews the plans for compliance with City Code and standards in relations to streets, parking lots, grading, storm sewer, and erosion control.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
		X	X	X	

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
			X	X	X	X	X	X	X	X

Educational Goals: The overall goal of this BMP is for the target audiences to be aware of the City's erosion control requirements, understand site design and on-going maintenance of storm water best management practices, and be aware of site maintenance practices that will minimize the potential for erosion and other storm water impacts.

Implementation: On-going

Measurable Goals: Number of plans reviewed.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Construction Turf Establishment Plans

BMP Number: 38

Description: The City of Bloomington Engineering Division will continue to provide timely turf re-establishment on city improvement projects.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
			X	X	X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
					X	X				

Educational Goals: The overall goal of this BMP is for the target audience to be aware of landscape maintenance techniques and procedures used to minimize storm water impacts and improve surface water quality.

Implementation: On-going

Measurable Goals: Number of construction projects.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Shore Area Regulations

BMP Number: 41

Description: The City of Bloomington has established regulations to protect the natural characteristics of certain shore areas in the City of Bloomington. The regulations were adopted to prevent pollution of surface and ground waters, minimize flood damage, and to effectively manage the effects of shore area development.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
				X	

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X		X	X	X	X	X	X	X	X	X

Educational Goals: The overall goal of this BMP is for the target audiences understand the impacts of urban development on storm water runoff volumes, rates, and quality, and be aware of site maintenance practices that will minimize the potential for erosion and other storm water impacts.

Implementation: On-going

Measurable Goals: Regulatory Mechanism.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Special Zoning Overlay Districts

BMP Number: 42

Description: The City of Bloomington has adopted special zoning overlay districts to protect natural features in private, common, or public open space.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
				X	

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X		X	X	X	X	X	X	X	X	X

Educational Goals: The overall goal of this BMP is for the target audiences understand the impacts of urban development on storm water runoff volumes, rates, and quality, and be aware of site maintenance practices that will minimize the potential for erosion and other storm water impacts.

Implementation: On-going

Measurable Goals: Regulatory Mechanism.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Goose and Waterfowl Feeding Policy

BMP Number: 44

Description: The City of Bloomington developed a mechanism for addressing water quality and other problems associated with the feeding of geese and other waterfowl.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
X	X				

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
X	X	X	X	X						

Educational Goals: The overall goal of this BMP is for the target audience to understand the benefits of proper yard care to minimize impacts to water resources and be aware of the impacts to water resources from excess nutrient loading and their sources.

Implementation: 2006

Measurable Goals: Mechanism.

SECTION VI EDUCATION ACTIVITY IMPLEMENTATION PLAN

Education Activity: Metro Area Water Resources Meetings

BMP Number: 46

Description: The City of Bloomington Engineering Division routinely meets with other water resources staff from neighboring local governments and agencies to discuss storm water impact issues and accomplishments.

Minimum Control Measures Addressed:

Public Education & Outreach	Public Participation/ Involvement	Illicit Discharge Detection & Elimination	Construction Site Runoff Control	Post-construction Runoff Control	Pollution Prevention/Good Housekeeping for Municipal Operations
					X

Target Audiences:

General Public	K-12 Students	Home owners	Business owners	Property Managers	Government Officials	MS 4 Staff	Other Commercial/ Industrial Operations	Engineers & Architects	Property Developers	Construction Industry
					X	X				

Educational Goals: The overall goal of this BMP is for the target audience to understand proper erosion control techniques and best management practices to minimize storm water impacts.

Implementation: 2003

Measurable Goals: Number of meetings attended. Meeting notes.