



**City of Savage**

**Stormwater Pollution Prevention Plan**

**Prepared by  
The City of Savage  
6000 McColl Drive  
Savage, Minnesota 55378**

**June 1, 2006**  
Amended December 28, 2007

Amendments to this SWPPP are as follows:

November 21, 2006

- Updated pages 4 and 5 of Part V- The MS4 Permit Application Form
- Amended BMP Summary Sheet 1e-1 (2 separate sheets)
- Amended BMP Summary Sheet 4e-1

December 28, 2007

- Updated Table of Contents
- Updated Minimum Control Measures Discussion to reflect addition of MCM 7
- Updated pages 6 and 7, reflecting the following amended and new BMP Summary Sheets
- Amended BMP Summary Sheet 1d-1
- Revised 2 BMP Summary Sheets both labeled as 1e-1 to 1e-1.1 and 1e-1.2
- Addition of new BMP Summary Sheet 1f-1
- Addition of new BMP Summary Sheet IV.D-1
- Best Management Practices Implementation Plan on pages 49 to 51 was updated consistent with the 3 BMP Summary Sheets.
- Updated page numbering and footers to reflect revisions.

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## **I. Introduction**

This Stormwater Pollution Prevention Program (SWPPP) has been prepared in conformance with the National Pollutant Discharge Elimination System (NPDES), Phase II Rules and is in compliance with the provisions of the Clean Water Act, as amended, and Minnesota Rules, Chapter 7001.

The goal of the NPDES Permit is to restore and maintain the chemical, physical, and biological integrity of waters of the state through management and treatment of urban stormwater runoff. This program requires that this be accomplished through the management of Municipal Separate Storm Sewer Systems (MS4s) through the preparation of a SWPPP. The SWPPP identifies the goals and the Best Management Practices (BMPs) that will be undertaken to meet the requirements of the NPDES Phase II rules. Measurable goals have been established for each of the BMPs included in the SWPPP along with an implementation plan and the persons responsible for implementing the BMPs.

This SWPPP has been prepared to manage and minimize the discharge of pollutants from MS4s to the maximum extent practicable (MEP). This will be accomplished through the implementation of the BMPs outlined within this SWPPP. These BMPs could be a combination of education, maintenance, control techniques, system design and engineering methods, and other such provisions that are appropriate to meet the requirements of the NPDES Phase II permit. BMPs have been prepared to address each of the six minimum control measures as outlined in the rules. These six minimum control measures are:

1. Public education and outreach on stormwater impacts.
  2. Public participation and involvement.
  3. Illicit discharge detection and elimination.
  4. Construction site runoff control.
  5. Post construction stormwater management in new development and redevelopment.
  6. Pollution prevention/good housekeeping for municipal operations.
- For each of these six minimum control measures, appropriate BMPs have been identified along with measurable goals, an implementation schedule, and the persons responsible to complete each measure.

The following sections describe the City of Savage's self-assessment process for developing the SWPPP, summarize the BMPs selected for the program, and present the organization structure of the City.

## **II. Self-Assessment Process**

Prior to selecting BMP's and measurable goals, City staff began a self-assessment process of the City's stormwater system. This process included an evaluation of Savage's conditions, needs, and current practices. The objective of this process was to provide a knowledge base upon which to structure the SWPPP in order to meet the Permit's Maximum Extent Practicable standard.

City staff has utilized the results of this self-assessment process to guide selection of BMP's and Measurable Goals in order to complete the SWPPP. Based on this self-assessment process, City staff has considered the following factors in order to meet the Maximum Extent Practicable standard set forth in the Permit:

- sources of pollutants
- potentially polluting activities being conducted in the watershed
- sensitivity of receiving waters
- uses of receiving waters
- specific local concerns
- community size
- local land uses
- rate and type of development
- watershed characteristics
- implementation schedules
- organizational characteristics of the City
- climate
- hydrology
- geology

In addition to the self-assessment process discussed above, City staff has also considered the following non-stormwater discharges to determine whether they should be identified as significant contributors of pollutants to the stormwater system:

- water line flushing
- landscape irrigation
- diverted stream flows
- rising ground waters
- uncontaminated ground water infiltration
- uncontaminated pumped ground water
- discharges from potable water sources
- foundation drains
- air conditioning condensation
- irrigation water
- springs
- water from crawl space pumps
- footing drains
- lawn watering
- individual residential car washing
- flows from riparian habitats and wetlands
- dechlorinated swimming pool discharges
- street wash water
- discharge or flows from fire fighting activities.

During the self-assessment process, the City of Savage did not find any of the additional referenced non-stormwater discharges listed above to be significant contributors of pollutants to the stormwater system.

### **III. Minimum Control Measure Discussion**

#### **MCM 1.0 PUBLIC EDUCATION AND OUTREACH**

The public education program has been developed to distribute educational materials to the community or conduct equivalent outreach activities. The BMPs identified will focus on the impact of stormwater discharges on streams, rivers, and wetlands, and the steps that City staff, developers, contractors and the public can take to reduce pollutants in stormwater runoff.

These activities have been prepared to individually address each of the six minimum control measures. For each minimum control measure, the education program identifies the audience or audiences involved, educational goals for each audience, activities used to reach educational goals for each audience, activity implementation plans, including responsible persons in charge, entities responsible for given activities, and schedules and performance measures that can be used to determine success in reaching educational goals.

The public education and outreach BMPs that will be undertaken include:

- 1) Producing and distributing information on illicit discharges, erosion control, shoreline management, composting and pollution prevention and other applicable BMPs utilized in the SWPPP. This information may be distributed through City mailings, newsletters, bill stuffing, and on the City website.
- 2) Incorporation of public information on the SWPPP issues into a separate page on the City's website. The web page would specifically describe the SWPPP, each minimum control measure, the goals and actions planned by the City, provide links to BMPs, articles on each control measure, and collect feedback from site visitors.
- 3) Providing training opportunities for City staff including erosion control, BMPs, good housekeeping, and pollution prevention. Training topics could include, but are not limited to:
  - a) Mn/DOT Erosion Control Certification (or other)
  - b) Stormwater Pollution Prevention Program Workshops
  - c) Best Management Practices Workshops
  - d) Brochures and publications distributed to staff.

#### **MCM 2.0 PUBLIC PARTICIPATION AND INVOLVEMENT**

This minimum control measure requires that the City provide measures to receive public input and opinion on the adequacy of the SWPPP. This input can be received from public meetings, oral testimony, and written correspondence. To reach this goal, the City anticipates implementing the following BMPs:

- 1) Conduct an annual public meeting on the City's SWPPP and solicit opinion on the plan and consider written and oral input on the adequacy of the SWPPP.
- 2) The City intends to incorporate public information on SWPPP issues into a separate page on the City's website. The web page would specifically describe the SWPPP, each minimum control measure, the goals and actions planned by the City, provide links to BMPs, articles on each control measure, and collect feedback from site visitors.

### **MCM 3.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION**

A number of BMPs have been developed to implement and enforce a program to detect and eliminate illicit discharges into the municipal separate storm sewer system. These BMPs include:

- 1) Review the current stormwater ordinance to evaluate its effectiveness toward illicit discharges.
- 2) Continue to support County recycling program to discourage illegal dumping by offering alternative uses for unwanted materials and drop-offs for household hazardous waste.
- 3) Identify all City-owned storm sewer conveyances 15 inches or greater on a storm sewer map. This will also identify all outfalls and discharge points leaving the City. This map would be updated yearly to reflect changes or additions to the storm sewer system.

### **MCM 4.0 CONSTRUCTION SITE, STORMWATER RUNOFF CONTROL**

A number of BMPs have been developed and will be implemented and enforced to reduce pollutants and stormwater runoff from construction activities with land disturbances equal to or greater than one acre. These BMPs include:

- 1) Review current erosion control ordinance and revise the City's building permit to include construction site erosion and sediment control as part of the permit conditions. This erosion control ordinance will also include sanctions to determine non-compliance with the permit and ordinances.
- 2) Provide City Public Works staff with training and proper location, inspection, and installation of erosion control BMPs.
- 3) Incorporate construction site inspection and enforcement into the activities of building inspectors. This will be part of the effort to reduce pollutants discharged from small construction sites.



### **MCM 5.0 POST CONSTRUCTION STORMWATER MANAGEMENT FOR NEW DEVELOPMENT AND REDEVELOPMENT**

A program of BMPs has been prepared to address stormwater runoff from new development and redevelopment projects that disturb areas equal to or greater than one acre. This program insures that controls are in place that would prevent or minimize water quality impacts from development activities. These BMPs include:

- 1) Implement the stormwater runoff control program that is currently used to minimize the effect of stormwater runoff on water quality within the City. This program will utilize appropriate BMPs, selected by the City to minimize stormwater runoff from new developments and redevelopments.
- 2) Revise current comprehensive stormwater management plan. Currently the City is in the process of getting the stormwater plan revised.

### **MCM 6.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

To meet the requirements of the pollution prevention and good housekeeping for municipal operations, a number of BMPs have been prepared. These BMPs include:

- 1) Annual inspection of the outfalls, sediment basis, and ponds within the city's storm sewer system.
- 2) The City will annually review practices and policies of road salt applications. The City will consider alternative products, calibration of equipment, inspection of vehicles and staff training to reduce pollutants from road deicing activities.
- 3) The City will continue with the current street sweeping program, identify improvements, and implement changes to reduce stormwater pollutants.

### **MCM 7.0 IMPAIRED WATERS**

The City of Savage will review all discharges from our MS4 system to impaired waters, as defined by the current USEPA approved 303(d) list.

## IV. Minimum Control Measure BMP Itemization

This section summarizes the BMP's chosen by the City of Savage. Each BMP is categorized into one or more Minimum Control Measures (MCM) to meet the Maximum Extent Practicable standard set in the Permit requirements. Where a BMP addresses more than one MCM, it is listed under each appropriate MCM.

### A. Public Education and Outreach

1a-1	Distribute Educational Materials
1b-1	Implement an Education Program
1c-1	Education Program: Public Education and Outreach
1c-2	Education Program: Public Participation
1c-3	Education Program: Illicit Discharge Detection and Elimination
1c-4	Education Program: Construction Site Run-off Control
1c-5	Education Program: Post-Construction Stormwater Management in New Development and Redevelopment
1c-6	Education Program: Pollution Prevention/Good Housekeeping for Municipal Operations
1d-1	Coordination of Education Program
1e-1.1	Annual Public Meeting
1e-1.2	Annual Public Meeting: 30-day Public Notice
1f-1	Annual City Council Update

### B. Public Involvement and Participation

2a-1	Comply with Public Notice Requirements
2b-1	Solicit Public Input and opinion on the Adequacy of the SWPPP
2c-1	Consider Public Input

### C. Illicit Discharge, Detection, and Elimination

3a-1	Storm Sewer System Map
3b-1	Regulatory Control Program
3c-1	Illicit Discharge Detection and Elimination Plan
3d-1	Public and Employee Illicit Discharge Information Program
3e-1	Identification of Non Stormwater Discharges and Flows

### D. Construction Site Runoff Control

4a-1	Ordinance or other Regulatory Mechanism
4b-1	Construction Site Implementation of Erosion and Sediment Control BMPs
4c-1	Waste Controls for Construction Site Operators
4d-1	Procedure for Site Plan Review
4e-1	Establishment of Procedures for the Receipt and Consideration of Reports of Stormwater Noncompliance
4f-1	Establishment of Procedures for Site Inspections and Enforcement

**E. Post Construction Runoff Control**

5a-1	Development and Implementation of Structural and/or Non-structural BMPs
5b-1	Regulatory Mechanism to Address Post Construction Runoff from New Development and Redevelopment
5c-1	Long-term Operation and Maintenance of BMPs

**F. Pollution Prevention and Good Housekeeping**

6a-1	Municipal Operations and Maintenance Program
6a-2	Street Sweeping
6b-2	Annual Inspection of All Structural Pollution Control Devices
6b-3	Inspection of a Minimum of 20 percent of the MS4 Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis
6b-4	Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas
6b-5	Inspection Follow-up Including the Determination of Whether Repair, Replacement, or Maintenance Measures are Necessary and the Implementation of the Corrective Measures
6b-6	Record Reporting and Retention of all Inspections and Responses to the Inspections
6b-7	Evaluation of Inspection Frequency
6a-1	Municipal Operations and Maintenance Program

**G. Impaired Waters**

IV.D-1	Impaired Waters Review Process
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## V. MPCA MS4 Application Form



# General Stormwater Permit (MN R 040000) Application for Small Municipal Separate Storm Sewer Systems (MS4s)

**RETURN THIS APPLICATION TO:**  
**Minnesota Pollution Control Agency**  
 520 Lafayette Road North  
 St. Paul, MN 55155-4194

NO FEE

Application deadline: **June 1, 2006**

## I. MS4 Information

### A. Application Type

- New applicant (this MS4 has no previous application for MS4 coverage on file at MPCA)
- Application for re-issuance of coverage (this MS4 applied in 2003)

### B. MS4 Owner General Contact (the community, municipality, agency or other party having ownership or operation control of the MS4)

City of Savage

*Community, municipality, agency or other party having ownership or operational control of the MS4*

6000 McColl Drive

*Mailing Address*

Savage

MN

55378-1800

*City*

*State*

*Zip Code*

Scott

*County*

41-6005535

8025193

*Federal Tax ID*

*State Tax ID*

### C. General Contact (official, staff member, consultant or other) for all general correspondence about Permit compliance issues between the MPCA and your MS4

Lucido

Sam

Associate Civil Engineer

*Last Name*

*First Name*

*Title*

6000 McColl Drive

*Mailing Address*

Savage

MN

55378-1800

*City*

*Zip Code*

652-882-2686

slucido@ci.savage.mn.us

*Telephone (include area code)*

*E-mail Address*

## II. Certification of the Stormwater Pollution Prevention Program (SWPPP)

### Have you developed a Stormwater Pollution Prevention Program for your MS4?

Yes

Municipalities must demonstrate how their Stormwater Pollution Prevention Program will be implemented and enforced over the term of the five-year Permit. SWPPPs must incorporate appropriate educational components, all required BMPs and the measurable goals associated with each. Stormwater Pollution Prevention Programs must address the specific requirements contained in Part V. G. of the Permit. SWPPPs must outline how the six minimum control measures will be addressed, the contact person, department in charge, timeline and measures that will be implemented to meet the schedules required by the Permit. Attach a BMP Summary Sheet to this application for *each* BMP in your SWPPP.

### Does your SWPPP address all of the six Minimum Control Measures as outlined in the Permit?

Yes

The General Permit requires that you incorporate all six of the defined Minimum Control Measures in your Stormwater Pollution Prevention Program. You are required to implement mandatory BMPs which are directly associated to each of the Six Minimum Control Measures.

### Have you attached the included BMP Summary Sheets, one for each of the Best Management Practices required by the Permit?

Yes

There are 34 required BMPs all of which require that the provided BMP Summary Sheet be filled out completely and included with your Stormwater Pollution Prevention Program. If any of these required sheets are missing, your application will not be considered complete and will be returned to you.

## III. Reporting and Recordkeeping

I have read and understand Part VI *Evaluating, Recordkeeping, and Reporting* of the MS4 General Permit and certify that we intend to comply with the applicable requirements of those sections as well as the Permit as a whole.

Yes

### B. Where will your SWPPP be available to the public for review?

Savage City Hall	www.ci.savage.mn.us/DepartmentsAndServices/Engineering/engineering_water	
<i>Name of Location</i>	<i>If your SWPPP is available electronically, indicate location</i>	
6000 McColl Drive		
<i>Street Address</i>		
Savage	MN	55378-1800
<i>City</i>	<i>State</i>	<i>ZIP Code</i>
Sam Lucido	952-882-2686	
<i>Contact Name</i>	<i>Contact Phone Number</i>	
8:00 – 4:00 Mon - Fri		
<i>Hours of Availability</i>		

## IV. Limitations of Coverage

### A. Part II Limitations on Coverage and Appendix C

I have read and understand Part II *Coverage Under This Permit and Appendix C Limitations on Coverage* of the MS4 General Permit and certify that we intend to comply with the applicable requirements of those sections as well as the Permit as a whole.

Yes

### B. Outstanding Resource Value Waters (ORVWs)

Please refer to the *Guidance Manual for Small Municipal Separate Storm Sewer Systems (MS4s)* to complete this section. An interactive map is available on the MPCA Web site that identifies Special Waters: <http://pca-gis04.pca.state.mn.us>

**1. Prohibited Waters**

Does the MS4 discharge into **Prohibited Waters** as defined in Minn. R. 7050.0180, subp. 3, 4, and 5? See Attachment Four of the *Guidance Manual for Small Municipal Separate Storm Sewer Systems (MS4s)* for further information. Yes No

**2. Restricted Discharge**

Does the MS4 discharge into waters with a **Restricted Discharge** as defined in Minn. R. 7050.0180, subp. 6, 6a, and 6b? If yes, please list below and comply with Part IX, Appendix C, Item B. See Attachment Four of the *Guidance Manual for Small Municipal Separate Storm Sewer Systems (MS4s)* for further information. Yes No

**3. Prohibited or Restricted Waters**

If you answered “yes” to either Question 1 or 2, have you included a map that outlines, at a minimum, the DNR minor sub-watersheds in your jurisdiction with ANY discharges to Prohibited or Restricted Waters? You are required by the Permit to provide this map along with your application. [IX.B.2.b] (See Attachment A) Yes No

**Identify all discharges to Outstanding Resource Value Waters (ORVWs) from your MS4:**

Name of Water Body	Type (lake, stream, river)
Eagle Creek	Stream
Savage Fen	Wetland

**4. If you answered “yes” to either Question 1 or 2, who is the person responsible for ensuring compliance with this Permit condition?**

Name: Sam Lucido Position: Associate Civil Engineer Phone: 952-882-2686

**C. Special Waters**

**1. Trout Waters**

Does the MS4 discharge into **Trout Waters** as defined in Minn. R. 6264.0050 subp. 2 & 4? If yes, please list below and comply with Part IX, Appendix C, Item C. See Attachments Two and Three of the *Guidance Manual for Small Municipal Separate Storm Sewer Systems (MS4s)* for further information. Yes No

**Eagle Creek - Compliance with Part IX, Appendix C, Item C has occurred**

**2. Wetlands**

Does the MS4 discharge into **Wetlands** as defined in Minn. R. 7050.0130, subp. F? See Attachment Four of the *Guidance Manual for Small Municipal Separate Storm Sewer Systems (MS4s)* for further information. Yes No

**3. Environmental Review**

Does the MS4 have a process to assure coordination with appropriate Agencies and to evaluate discharges that require applicable **Environmental Review** as required by State or federal laws? See Part IX of the *Guidance Manual for Small Municipal Separate Storm Sewer Systems (MS4s)* for further information. Yes No

**Who is the person responsible for ensuring compliance with this Permit condition?**

Name: Sam Lucido Position: Associate Civil Engineer Phone: 952-882-2686

**4. Endangered or Threatened Species**

Does the MS4 have a process to assure coordination with appropriate Agencies and to evaluate discharges whose direct, indirect, interrelated, interconnected, or independent impacts may jeopardize a listed **Endangered or Threatened Species** or adversely modify a designated critical habitat? See Part IX of the *Guidance Manual for Small Municipal Separate Storm Sewer Systems (MS4s)* for further information. Yes No

**Who is the person responsible for ensuring compliance with this Permit condition?**

Name: Sam Lucido Position: Associate Civil Engineer Phone: 952-882-2686

**5. Historic Places and Archeological Sites**

Does the MS4 have a process to assure coordination with appropriate Agencies and to evaluate discharges which may adversely affect properties listed or eligible for listing in the National Register of **Historic Places** or affecting known or discovered **archeological sites**? Yes No  
See Part IX of the *Guidance Manual for Small Municipal Separate Storm Sewer Systems (MS4s)* for further information.

**Who is the person responsible for ensuring compliance with this Permit condition?**

Name: Sam Lucido Position: Associate Civil Engineer Phone: 952-882-2686

**6. Drinking Water Sources**

Does the MS4 have any discharges that may affect Source Water Protection as defined in part **IX.H** of the General Permit? Yes No

If “yes,” does the MS4 have BMPs incorporated into the SWPPP to protect drinking water sources that the MS4 discharge may affect? Yes No



**V. Owner or Operator Certification**

The person with overall, MS4 legal responsibility must sign the application. This person shall be duly authorized to sign the application and may be either a principal executive officer or ranking elected official. (see Minn. R. 7001.0060).


I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete (Minn. R. 7001.0070).

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the National Pollutant Discharge Elimination System (NPDES) General Storm Water Permit for MS4s that authorizes storm water discharges identified in this application form.

I understand that as a Permittee, I am legally accountable under the Clean Water Act to ensure compliance with the terms and conditions of the NPDES General Storm Water Permit for MS4s.

I also understand that MPCA enforcement actions (pursuant to Minn. Stat. §115.07, 116.072, and Section 309 of the Clean Water Act) may be taken against me or the MS4 if the terms and conditions of the NPDES General Storm Water Permit for MS4s are not met.

**C. General Contact (official, staff member, consultant or other) for all general correspondence about Permit compliance issues between the MPCA and your MS4**

**X**  \_\_\_\_\_ Date 12/28/07

Authorized Signatory \_\_\_\_\_ Date \_\_\_\_\_

Stock \_\_\_\_\_ Barry \_\_\_\_\_ City Administrator \_\_\_\_\_

Last Name First Name Title

6000 McColl Drive \_\_\_\_\_

Mailing Address \_\_\_\_\_

Savage \_\_\_\_\_ MN 55378 \_\_\_\_\_

City State ZIP Code

952-882-2660 \_\_\_\_\_ bstock@ci.savage.mn.us \_\_\_\_\_

Telephone (include area code) E-mail Address

## VI. BMP Summary Sheets

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1a-1

<b>BMP Title:</b> Distribute Educational Materials
<b>BMP Description:</b> (V.G.1.a) The City will produce and distribute articles and information on the City's Stormwater Pollution Prevention Plan such as; information on the annual public hearing, illicit discharges, erosion control, shoreline management, composting and pollution prevention or other applicable best management practices.  This publication will be distributed through City mailings, newsletters, and newspaper articles.
<b>Measurable Goals:</b> Total number of Publications
<b>Timeline/Implementation Schedule:</b> This activity will begin in 2006 and continue annually through 2011.
<b>Specific Components and Notes:</b> None
Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

# BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1b-1

<b>BMP Title:</b> Implement an Education Program
<b>BMP Description:</b> (V.G.1.b) The City will develop and implement an educational program that individually addresses each minimum control measure (Part V.G.1-6): <ol style="list-style-type: none"><li>1. Public education and outreach;</li><li>2. Public participation;</li><li>3. Illicit discharge detection and elimination;</li><li>4. Construction site Stormwater runoff control;</li><li>5. Post-construction Stormwater management in New Development and Redevelopment; and</li><li>6. Pollution prevention/good housekeeping for municipal operations.</li></ol>
<b>Measurable Goals:</b> <ol style="list-style-type: none"><li>1. Program developed.</li><li>2. List of educational activities provided.</li><li>3. Assessment of the program</li></ol>
<b>Timeline/Implementation Schedule:</b> Year 1) Develop program Years 2-5) Implement program Years 2-5) Program assessment
<b>Specific Components and Notes:</b> None
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1c-1

<b>BMP Title:</b> Educational Program: Public Education and Outreach
<b>Audience(s) Involved:</b> (V.G.1.c) General public and focused groups such as, development community, contractors, students, landowners, and City staff.
<b>Educational Goals for Each Audience:</b> Increase public awareness and understanding of stormwater issues within the community. Inform and educate the public about the impacts and stormwater runoff on water quality.
<b>Activities Used to Reach Educational Goals:</b> A variety of activities to be detailed in the implementation of unique BMP 1b-1
<b>Activity Implementation Plan:</b> Year 1) Develop program Years 2-5) Implement program Years 2-5) Program assessment
<b>Performance Measures:</b> <ol style="list-style-type: none"><li>1. Program developed</li><li>2. List of educational activities provided</li><li>3. Assessment of the program</li></ol>
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1c-2

<b>BMP Title:</b> Education Program: Public Participation
<b>Audience(s) Involved:</b> (V.G.1.c) General public and focused groups such as, development community, contractors, students, landowners, and City staff.
<b>Educational Goals for Each Audience:</b> Increase public awareness and understanding of stormwater issues within the community. Inform and educate the public about the impacts and stormwater runoff on water quality.
<b>Activities Used to Reach Educational Goals:</b> A variety of activities to be detailed in the implementation of unique BMP 1b-1
<b>Activity Implementation Plan:</b> Year 1) Develop program Years 2-5) Implement program Years 2-5) Program assessment
<b>Performance Measures:</b> <ol style="list-style-type: none"><li>1. Program developed</li><li>2. List of educational activities provided</li><li>3. Assessment of the program</li></ol>
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1c-3

<b>BMP Title:</b> Education Program: Illicit Discharge Detection and Elimination
<b>Audience(s) Involved:</b> (V.G.1.c) General public and focused groups such as, development community, contractors, students, landowners, and City staff.
<b>Educational Goals for Each Audience:</b> Increase public awareness and understanding of stormwater issues within the community. Inform and educate the public about the impacts and stormwater runoff on water quality. Provide an emphasis on illicit discharge detection and elimination.
<b>Activities Used to Reach Educational Goals:</b> A variety of activities to be detailed in the implementation of unique BMP 1b-1
<b>Activity Implementation Plan:</b> Year 1) Develop program Years 2-5) Implement program Years 2-5) Program assessment
<b>Performance Measures:</b> <ol style="list-style-type: none"><li>1. Program developed</li><li>2. List of educational activities provided</li><li>3. Assessment of the program</li></ol>
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1c-4

<b>BMP Title:</b> Education Program: Construction Site Run-off Control
<b>Audience(s) Involved:</b> (V.G.1.c) General public and focused groups such as, development community, contractors, students, landowners, and City staff.
<b>Educational Goals for Each Audience:</b> Increase public awareness and understanding of stormwater issues within the community. Inform and educate the public about the impacts and stormwater runoff on water quality. Provide an emphasis on construction site runoff control.
<b>Activities Used to Reach Educational Goals:</b> A variety of activities to be detailed in the implementation of unique BMP 1b-1
<b>Activity Implementation Plan:</b> Year 1) Develop program Years 2-5) Implement program Years 2-5) Program assessment
<b>Performance Measures:</b> <ol style="list-style-type: none"><li>1. Program developed</li><li>2. List of educational activities provided</li><li>3. Assessment of the program</li></ol>
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>



# BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1c-5

<b>BMP Title:</b> Education Program: Post-Construction Stormwater Management in New Development and Redevelopment
<b>Audience(s) Involved:</b> (V.G.1.c) This BMP will be directed at very focused groups such as, development community, contractors, and City staff.
<b>Educational Goals for Each Audience:</b> Increase awareness and understanding of stormwater issues.
<b>Activities Used to Reach Educational Goals:</b> A variety of activities to be detailed in the implementation of unique BMP 1b-1
<b>Activity Implementation Plan:</b> Year 1) Develop program Years 2-5) Implement program Years 2-5) Program assessment
<b>Performance Measures:</b> <ol style="list-style-type: none"><li>1. Program developed</li><li>2. List of educational activities provided</li><li>3. Assessment of the program</li></ol>
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>



# BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1c-6

<b>BMP Title:</b> Education Program: Pollution Prevention/Good Housekeeping for Municipal Operations
<b>Audience(s) Involved:</b> (V.G.1.c) This BMP will be directed at City staff.
<b>Educational Goals for Each Audience:</b> Increase awareness and understanding of stormwater issues and their responsibility for implementation.
<b>Activities Used to Reach Educational Goals:</b> A variety of activities to be detailed in the implementation of unique BMP 1b-1
<b>Activity Implementation Plan:</b> Year 1) Develop program Years 2-5) Implement program Years 2-5) Program assessment
<b>Performance Measures:</b> <ol style="list-style-type: none"><li>1. Program developed</li><li>2. List of educational activities provided</li><li>3. Assessment of the program</li></ol>
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>



## BMP Summary Sheet (amended 12-28-07)

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1d-1

<b>BMP Title:</b> Coordination of Education Program
<b>BMP Description:</b> (V.G.1.d) During the first year of implementation, the City will coordinate education and outreach efforts with Participating Communities of the Joint Stormwater Education Plan. Participating Communities include: Scott County, City of Prior Lake, City of Shakopee, Shakopee Mdewakanton Sioux Community, Louisville Township, Jackson Township, Credit River Township, Spring Lake Township and Prior Lake/Spring Lake Watershed District. After the second year, the City anticipates full participation with this Plan.
<b>Measurable Goals:</b> 1) Coordination with Participating Communities of the Joint Stormwater Education Plan 2) Full participation in the Joint Stormwater Education Plan
<b>Timeline/Implementation Schedule:</b> Year 1) Coordination with Participating Communities of the Joint Stormwater Education Plan Years 2-5) Full participation in the Joint Stormwater Education Plan.
<b>Specific Components and Notes:</b> None`
<b>Responsible Party for this BMP:</b> Name: John Powell Department: Public Works / Engineering Phone: 952-882-2672 E-mail: jpowell@ci.savage.mn.us

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1e-1.1

<b>BMP Title:</b> Annual Public Meeting
<b>BMP Description:</b> (V.G.I.e) The City will conduct a public meeting on the City's Stormwater Pollution Prevention Program, solicit public opinion on the plan, and consider written and oral input into the SWPPP. The Annual Public Meeting will be held prior to June 30 of each year the MS4 Permit is in force.
<b>Measurable Goals:</b> Hold the public meeting, record attendance, keep minutes, record statements and written comments and document changes made to the SWPPP.
<b>Timeline/Implementation Schedule:</b> This activity will begin in 2006 and continue annually through 2011.
<b>Specific Components and Notes:</b> None
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1e-1.2

<b>BMP Title:</b> Annual Public Meeting: 30-Day Public Notice
<b>BMP Description:</b> (V.G.1.e.2) The City will provide a public notice of at least 30 days prior to the public informational meeting on the City's Stormwater Pollution Prevention Program. The notice will contain a reference to the SWPPP, the date, time and location of the meeting. The notice will contain a concise description of the manner in which the public meeting will be conducted; and will indicate the location where a copy of the SWPPP is available.
<b>Measurable Goals:</b> Provide a public notice of at least 30 days prior to the public informational meeting on the City's Stormwater Pollution Prevention Program.
<b>Timeline/Implementation Schedule:</b> This activity will begin in 2006 and continue annually through 2011.
<b>Specific Components and Notes:</b> None
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 1-PUBLIC EDUCATION AND OUTREACH

**Unique BMP Identification Number:** 1f-1

<b>BMP Title:</b> Annual City Council Update
<b>Audience(s) Involved:</b> (V.G.2.b.2) City of Savage elected officials.
<b>Educational Goals for Each Audience:</b> Increase awareness and understanding of stormwater issues and regulations for City of Savage elected officials. Inform and educate elected officials about the impacts of stormwater runoff on water quality and the effects of current and upcoming regulations.
<b>Activities Used to Reach Educational Goals:</b> Annually, City staff will present an update to elected City officials. This update will include: the current status of stormwater management in the City, a summary of previous as well as proposed or recommended future stormwater management activities, current and upcoming regulations and the anticipated impact of these current and upcoming regulations.
<b>Activity Implementation Plan:</b> 2008) Develop presentation outline and content 2008 and thereafter) Make annual presentation to elected officials
<b>Performance Measures:</b> 2008) Presentation developed 2008 and thereafter) Annual presentation provided
<b>Responsible Party for this BMP:</b> Name: John Powell Department: Public Works / Engineering Phone: 952-882-2672 E-mail: jpowell@ci.savage.mn.us



## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 2-PUBLIC PARTICIPATION/INVOLVEMENT

**Unique BMP Identification Number:** 2a-1

<b>*BMP Title:</b> Comply with Public Notice Requirements
<b>*BMP Description (V.G.2.a):</b> <ol style="list-style-type: none"><li>1) The City will hold a public meeting at the City of Savage City Hall or other location that is convenient to people expected to attend.</li><li>2) The City will issue a notice of the public informational meeting at least 30 days prior to the meeting. The notice will contain a reference to the SWPPP, the date, time, and location of the public informational meeting; a concise description of the manner in which the public informational meeting will be conducted; and will indicate the location where a copy of the SWPPP is available for public review.</li><li>3) The City will publish the notice in a Newspaper of general circulation in the general vicinity of the City, and will make available a copy of the notice to the Agency, the appropriate city and county officials, and all other Persons who have requested that they be informed of public meetings for the SWPPP.</li></ol> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<b>*Measurable Goals:</b> <ol style="list-style-type: none"><li>1) Advertise the public informational meeting so that all persons that are interested in participating or attending receive adequate notice of the meeting in compliance with applicable state rules.</li></ol>
<b>*Timeline/Implementation Schedule:</b> <p>Years 1-5) The City will notice the public meeting each year according to the schedule identified above.</p>
<b>Specific Components and Notes:</b> <p>None.</p>
<b>*Responsible Party for this BMP:</b> <p>Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 2-PUBLIC PARTICIPATION/INVOLVEMENT

**Unique BMP Identification Number:** 2b-1

**\*BMP Title:** Solicit Public Input and Opinion on the Adequacy of the SWPPP

**\*BMP Description (V.G.2.b.1):**

- 1) The City will use the education and outreach efforts outlined on BMP Summary Sheet 1c-2 (Education Program: Public Participation) for providing information to the general public about how the City manages stormwater runoff through its Stormwater Pollution Prevention Program (SWPPP), to encourage the public to learn about the SWPPP, and to facilitate public input and comment on the SWPPP.
- 2) The annual public meeting on the SWPPP will be scheduled to occur during a regular meeting of the City Planning Commission, which will be conducive to the public attending and providing input on the SWPPP
- 3) At the first annual meeting under the new permit, the City will provide a presentation on the purpose, goals, and requirements of the SWPPP to educate, inform and encourage citizens to provide input and comment on the SWPPP.
- 4) The City will provide opportunity for interested persons to make oral statements or provide written comments on the SWPPP at the meeting. A reasonable amount of time will be made available at the meeting for questions and comments. Persons not able to attend the meeting may submit written comments on the SWPPP within the time identified in the public notice for the meeting.
- 5) The City will also solicit public input and provide opportunity for comment on the SWPPP at any other subsequent public meetings, as needed, regarding modifications of or amendments to the SWPPP.

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

**\*Measurable Goals:**

- 1) Increase citizen's understanding of the impacts of stormwater runoff and increase public input on the SWPPP. Evaluate the level of public participation and input on the SWPPP, review the Education Program for Public Participation and make adjustments as needed to increase public participation/involvement on the SWPPP.
- 2) Track the number of attendees at the annual public meeting on the SWPPP.
- 3) Prepare and provide a presentation on the SWPPP.
- 4) Track the number of oral and written comments received on the SWPPP, and the number of questions addressed at the annual public meeting. A summary of the comments submitted on the SWPPP and the questions addressed at the meeting will be made available on the City web site stormwater page.
- 5) Hold additional public meeting(s) regarding modifications and/or amendments to the SWPPP; track the level of public input.

**\*Timeline/Implementation Schedule:**

Years 1-5) The City will implement the education and outreach efforts according to the timeline/implementation schedule in BMP Summary Sheet 1c-2.

Years 1 & 3) Review Education Program for Public Participation, make adjustments as needed.

Years 1-5) Hold public meeting on the SWPPP annually.

**Specific Components and Notes:**

The City staff will pose questions or initiate discussion at the meeting in an effort to encourage the public to ask questions and submit comments on the SWPPP.

**\*Responsible Party for this BMP:**

Name: Sam Lucido

Department: Engineering

Phone: 952-882-2686

E-mail: [slucido@ci.savage.mn.us](mailto:slucido@ci.savage.mn.us)

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 2-PUBLIC PARTICIPATION/INVOLVEMENT

**Unique BMP Identification Number:** 2c-1

<p><b>*BMP Title:</b> Consider Public Input</p>
<p><b>*BMP Description(V.G.2.c.1):</b></p> <ol style="list-style-type: none"><li>1) The City will review all input provided on the SWPPP.</li><li>2) Any input provided in writing will be responded to, as appropriate.</li><li>3) The City will revise the SWPPP, as appropriate, to input received.</li></ol> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p><b>*Measurable Goals:</b></p> <ol style="list-style-type: none"><li>1) Input provided to the City from all interested parties.</li><li>2) The SWPPP will be revised, as appropriate, to input received.</li></ol>
<p><b>*Timeline/Implementation Schedule:</b></p> <ol style="list-style-type: none"><li>1) Years 1-5) The City will evaluate all input and reply accordingly within 30 days of resident comment.</li><li>2) Years 1-5) Within 6 months, the City will evaluate and revise the SWPPP, as appropriate, in response to resident input</li></ol>
<p><b>Specific Components and Notes:</b></p> <p>None.</p>
<p><b>*Responsible Party for this BMP:</b></p> <p>Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 3- Illicit Discharge Detection and Elimination

**Unique BMP Identification Number:** 3a-1

<b>BMP Title:</b> Storm Sewer System Map
<b>BMP Description:</b> (V.G.3.a) The City will develop a map showing ponds, streams, lakes, wetlands, structural pollution control systems, outfalls, and all pipes greater than 15" by June 30, 2007.  Once complete, the City will update the map annually to include changes to the storm sewer system throughout the City including but not limited to, new development, street improvements, water quality projects, wetland mitigation projects and any changes to the storage or conveyance of stormwater within the City.
<b>Measurable Goals:</b> Development of a storm sewer system map. Annual summary of progress including changes made to keep map current.
<b>Timeline/Implementation Schedule:</b> June 30, 2007 – Development of a storm sewer system map. Annually after 2007 – Summary of progress including changes made to keep map current.
<b>Specific Components and Notes:</b> None
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 3- Illicit Discharge Detection and Elimination

**Unique BMP Identification Number:** 3b-1

<b>BMP Title:</b> Regulatory Control Program
<b>BMP Description:</b> (V.G.3.b) The City will review current ordinances addressing illicit discharge detection and elimination. If current ordinances are not acceptable, a new ordinance will be developed, which will address the issue of non-stormwater discharges in the City's storm sewer system. Elements of this ordinance will include but are not limited to defining allowable discharges, setting policy as it pertains to violations and penalties and mitigation requirements.
<b>Measurable Goals:</b> <ol style="list-style-type: none"><li>1) Review current ordinances for acceptability of illicit discharge detection and elimination.</li><li>2) If necessary, develop and implement new ordinance.</li><li>3) Train key staff on implementation.</li></ol>
<b>Timeline/Implementation Schedule:</b> 2007 – Review current ordinances addressing illicit discharge detection and elimination. 2008: If necessary, develop and implement new ordinance. Train key staff on implementation.
<b>Specific Components and Notes:</b> None
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 3- Illicit Discharge Detection and Elimination

**Unique BMP Identification Number:** 3c-1

<b>BMP Title:</b> Illicit Discharge Detection and Elimination Program
<b>BMP Description:</b> (V.G.3.c) City will develop and implement a program to detect and address non-stormwater discharges to the MS4 stormwater system.
<b>Measurable Goals:</b> <ol style="list-style-type: none"><li>1) Structure program and define policy.</li><li>2) Train key staff on implementation of program.</li><li>3) Begin full-scale implementation of program.</li></ol>
<b>Timeline/Implementation Schedule:</b> 2007: Structure program and define policy. 2008: Train key staff on implementation of program. 2009: Begin full-scale implementation of program.
<b>Specific Components and Notes:</b> None
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 3- Illicit Discharge Detection and Elimination

**Unique BMP Identification Number:** 3d-1

<b>BMP Title:</b> Public and Employee Illicit Discharge Information Program
<b>BMP Description:</b> (V.G.3.d) City will inform employees, businesses, and the public of the hazards associated with illegal discharges and improper disposal of waste.
<b>Measurable Goals:</b> Information provided will include posters in key locations and flyers in utility bills.
<b>Timeline/Implementation Schedule:</b> This BMP will begin in 2007 and continue annually.
<b>Specific Components and Notes:</b> None
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>



## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 3- Illicit Discharge Detection and Elimination

**Unique BMP Identification Number:** 3e-1

<b>BMP Title:</b> Identification of Non-Stormwater Discharges and Flows
<b>BMP Description:</b> (V.G.3.e) The Illicit Discharge Detection and Elimination program will be established in accordance with findings from Nondegradation Analysis and Loading Assessment. If non-stormwater discharges are identified as significant contributors of pollution, they will be addressed through the creation of BMPs during the reporting cycle.
<b>Measurable Goals:</b> Determination of significance through study.
<b>Timeline/Implementation Schedule:</b> This BMP will be implemented if significance is established.
<b>Specific Components and Notes:</b> None
<b>Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 4- CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

**Unique BMP Identification Number:** 4a-1

<b>*BMP Title:</b> Ordinance or Other Regulatory Mechanism
<b>*BMP Description(V.G.4.a):</b> <ol style="list-style-type: none"><li>1) The City has a significant and comprehensive ordinance for Stormwater Management (Title 9 Chapter 26 of the Savage City Code). Sections 10, 11 and 12 of this Chapter specifically address management of erosion and sediment from construction sites.</li><li>2) The City will evaluate this Chapter for adequacy and, if appropriate, revise the Ordinance.</li></ol> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<b>*Measurable Goals:</b> <ol style="list-style-type: none"><li>1) Evaluate Title 9 Chapter 26 of the Savage City Code, in relation to construction site stormwater runoff control.</li><li>2) If appropriate, revise Chapter 26 in relation to construction site stormwater runoff control.</li></ol>
<b>*Timeline/Implementation Schedule:</b> Year 1) Evaluate Title 9 Chapter 26 of the Savage City Code, in relation to construction site stormwater runoff control. Year 2) If appropriate, revise Chapter 26 in relation to construction site stormwater runoff control.
<b>Specific Components and Notes:</b> None
<b>*Responsible Party for this BMP:</b>  Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 4- CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

**Unique BMP Identification Number:** 4b-1

<p><b>*BMP Title:</b> Construction Site Implementation of Erosion and Sediment Control BMPs</p>
<p><b>*BMP Description(V.G.4.b):</b></p> <ol style="list-style-type: none"><li>1) The City has a significant and comprehensive ordinance for Stormwater Management (Title 9 Chapter 26 of the Savage City Code). Sections 10, 11 and 12 of this Chapter specifically address management of erosion and sediment from construction sites.</li><li>2) Sections 11.C and 12.B specify implementation requirements.</li><li>3) The City will evaluate Sections 11.C and 12.B for adequacy and, if appropriate, revise the Ordinance.</li></ol> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p><b>*Measurable Goals:</b></p> <ol style="list-style-type: none"><li>1) Evaluate Title 9 Chapter 26 Sections 11.C and 12.B of the Savage City Code, in relation to construction site stormwater runoff control implementation.</li><li>2) If appropriate, revise Chapter 26.</li></ol>
<p><b>*Timeline/Implementation Schedule:</b></p> <p>Year 1) Evaluate Title 9 Chapter 26 Sections 11.C and 12.B, in relation to construction site stormwater runoff control implementation.</p> <p>Year 2) If appropriate, revise Chapter 26 in relation to construction site stormwater runoff control implementation.</p>
<p><b>Specific Components and Notes:</b></p> <p>None</p>
<p><b>*Responsible Party for this BMP:</b></p> <p>.</p> <p>Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 4- CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

**Unique BMP Identification Number:** 4c-1

<p><b>*BMP Title:</b> Waste Controls for Construction Site Operators</p>
<p><b>*BMP Description(V.G.4.c):</b></p> <p>The City will develop an ordinance that addresses requirements for construction site operators to control waste, such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.</p> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p><b>*Measurable Goals:</b></p> <ol style="list-style-type: none"><li>1) Evaluate City code for references to waste management on construction sites.</li><li>2) If waste management on construction sites is not sufficiently addressed in City code, develop an ordinance that addresses requirements for construction site operators to control waste, such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.</li></ol>
<p><b>*Timeline/Implementation Schedule:</b></p> <p>Year 1) Evaluate City code for reference to waste management on construction sites. Year 2) If waste management on construction sites is not sufficiently addressed in City code, develop an ordinance that addresses requirements for construction site operators to control waste, such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.</p>
<p><b>Specific Components and Notes:</b></p> <p>None</p>
<p><b>*Responsible Party for this BMP:</b></p> <p>Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 4- CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

**Unique BMP Identification Number:** 4d-1

<p><b>*BMP Title:</b> Procedures for site plan review for potential water quality impacts</p>
<p><b>*BMP Description(V.G.4.d):</b></p> <ol style="list-style-type: none"><li>1) The City has a significant and comprehensive ordinance for Stormwater Management (Title 9 Chapter 26 of the Savage City Code). Section 4 of this Chapter specifically addresses stormwater management plan review procedures.</li><li>2) The City will evaluate Section 4 for adequacy and, if appropriate, revise the Ordinance.</li></ol> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p><b>*Measurable Goals:</b></p> <ol style="list-style-type: none"><li>1) Evaluate Title 9 Chapter 26 Section 4 of the Savage City Code; in relation to stormwater management plan review procedures.</li><li>2) If appropriate, revise Chapter 26.</li></ol>
<p><b>*Timeline/Implementation Schedule:</b></p> <p>Year 1) Evaluate Title 9 Chapter 26 Section 4, in relation to stormwater management plan review procedures.</p> <p>Year 2) If appropriate, revise Chapter 26 in relation to stormwater management plan review procedures.</p>
<p><b>Specific Components and Notes:</b></p> <p>None</p>
<p><b>*Responsible Party for this BMP:</b></p> <p>Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 4- CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

**Unique BMP Identification Number:** 4e-1

<b>*BMP Title:</b> Procedures for receipt and consideration of reports of stormwater non-compliance
<b>*BMP Description(V.G.4.e):</b> <ol style="list-style-type: none"><li>1) The City has a significant and comprehensive stormwater page on the City of Savage website (<a href="http://www.ci.savage.mn.us/DepartmentsAndServices/Engineering/engineering_water.html">www.ci.savage.mn.us/DepartmentsAndServices/Engineering/engineering_water.html</a>). This web page has a hotlines section that allows residents to directly report any concerns directly to the City of Savage Associate Civil Engineer, who is responsible for water quality issues in the City of Savage.</li><li>2) The City will evaluate this web page for adequacy and, if appropriate, revise it.</li></ol> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<b>*Measurable Goals:</b> <ol style="list-style-type: none"><li>1) Evaluate the City's Water Resources web page.</li><li>2) Quantify (count and record) the number of comments received through this website.</li><li>3) If appropriate, revise the web page.</li></ol>
<b>*Timeline/Implementation Schedule:</b> Year 1) Evaluate the City's Water Resources web page. Ongoing) Quantify the number of comments received Year 2) If appropriate, revise the web page.
<b>Specific Components and Notes:</b> None
<b>*Responsible Party for this BMP:</b>  Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 4- CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

**Unique BMP Identification Number:** 4f-1

<b>*BMP Title:</b> Procedures for site inspection and enforcement of control measures
<b>*BMP Description(V.G.4.f):</b> <ol style="list-style-type: none"><li>1) The City has been aggressively inspecting and enforcing stormwater and erosion and sediment control measures.</li><li>2) The City will continue to evaluate and develop this process.</li></ol> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<b>*Measurable Goals:</b> <ol style="list-style-type: none"><li>1) Evaluate the City's process for inspecting and enforcing stormwater and erosion and sediment control measures.</li><li>2) As appropriate, upgrade the process for inspecting and enforcing stormwater and erosion and sediment control measures.</li></ol>
<b>*Timeline/Implementation Schedule:</b> Year 1) Evaluate the City's process for inspecting and enforcing stormwater and erosion and sediment control measures.  Year 2) As appropriate, upgrade the process for inspecting and enforcing stormwater and erosion and sediment control measures
<b>Specific Components and Notes:</b> None
<b>*Responsible Party for this BMP:</b>  Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 5- POST CONSTRUCTION STORMWATER  
MANAGEMENT

**Unique BMP Identification Number:** 5a-1

<p><b>*BMP Title:</b> Development and implementation of structural and/or non-structural BMPs</p>
<p><b>*BMP Description(V.G.5.a):</b></p> <ol style="list-style-type: none"><li>1) The City has a significant and comprehensive ordinance for Stormwater Management (Title 9 Chapter 26 of the Savage City Code). Section 4 of this Chapter specifically identifies stormwater management features that are required of new developments in the City.</li><li>2) In addition, the City has an established a Stormwater Submittal Review Checklist for addressing stormwater pond design requirements, wetlands, storm sewer design and long-term erosion control requirements.</li><li>3) The City will evaluate Section 4 of the Savage City Code and the Stormwater Submittal Review Checklist for adequacy and, if appropriate, revise them.</li></ol> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p><b>*Measurable Goals:</b></p> <ol style="list-style-type: none"><li>1) Evaluate Chapter 26 Section 4 of the City code and the Stormwater Submittal Review Checklist for adequacy.</li><li>2) If appropriate, revise Chapter 26 Section 4 and/or the Stormwater Submittal Review Checklist.</li></ol>
<p><b>*Timeline/Implementation Schedule:</b></p> <p>Year 1) Evaluate Chapter 26 Section 4 of the City code and the Stormwater Submittal Review Checklist for adequacy.</p> <p>Year 2) If appropriate, revise Chapter 26 Section 4 and/or the Stormwater Submittal Review Checklist 1.</p>
<p><b>Specific Components and Notes:</b></p> <p>None</p>
<p><b>*Responsible Party for this BMP:</b></p> <p>Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>



## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 5- POST CONSTRUCTION STORMWATER  
MANAGEMENT

**Unique BMP Identification Number:** 5b-1

<p><b>*BMP Title:</b> Regulatory mechanism to address post construction runoff from new development and redevelopment</p>
<p><b>*BMP Description(V.G.5.b):</b></p> <ol style="list-style-type: none"><li>1) The City has a significant and comprehensive ordinance for Stormwater Management (Title 9 Chapter 26 of the Savage City Code). This Chapter specifically identifies stormwater management that is required of new developments in the City.</li><li>2) The City will evaluate this ordinance for adequacy and, if appropriate, revise it.</li></ol> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p><b>*Measurable Goals:</b></p> <ol style="list-style-type: none"><li>1) Evaluate Chapter 26 of the City code for adequacy.</li><li>2) If appropriate, revise Chapter 26.</li></ol>
<p><b>*Timeline/Implementation Schedule:</b></p> <p>Year 1) Evaluate Chapter 26 of the City code for adequacy.</p> <p>Year 2) If appropriate, revise Chapter 26.</p>
<p><b>Specific Components and Notes:</b></p> <p>None</p>
<p><b>*Responsible Party for this BMP:</b></p> <p>Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 5- POST CONSTRUCTION STORMWATER  
MANAGEMENT

**Unique BMP Identification Number:** 5c-1

<b>*BMP Title:</b> Long-term operation and maintenance of BMPs
<b>*BMP Description(V.G.5.c):</b>  1) The City has a stormwater pond and storm sewer maintenance process in place. 2) The City will evaluate this process for adequacy and, if appropriate, revise it.  <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<b>*Measurable Goals:</b>  1) Evaluate stormwater pond and storm sewer maintenance process for adequacy. 2) If appropriate, revise stormwater pond and storm sewer maintenance process.
<b>*Timeline/Implementation Schedule:</b>  Year 1) Evaluate the stormwater pond and storm sewer maintenance process for adequacy.  Year 2) If appropriate, revise the stormwater pond and storm sewer maintenance process.
<b>Specific Components and Notes:</b>  None
<b>*Responsible Party for this BMP:</b>  Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

**Unique BMP Identification Number:** 6a-1

<b>*BMP Title:</b> Municipal Operations and Maintenance Program
<b>*BMP Description(V.G.6.a.1):</b> The City will develop an operations and maintenance training program with the ultimate goal of preventing or reducing pollutants from City of Savage operations. This training will utilize materials that are available from the USEPA, state and regional agencies, or other organizations may be used as appropriate or modified for the City of Savage. The program will include employee training to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance.
<b>*Measurable Goals:</b> 1) Develop an outline that identifies the goals and audience for the training. 2) Research the training aids available from the USEPA, state and regional agencies, or other organizations. 3) Develop and establish the training program 4) Implement the training program
<b>*Timeline/Implementation Schedule:</b> 2007- Develop an outline that identifies the goals and audience for the training. 2007 – Research the training aids available from the USEPA, state and regional agencies, or other organizations. 2007 – Develop and establish the training program 2007 – Implement the training program
<b>Specific Components and Notes:</b> none
<b>*Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

**Unique BMP Identification Number:** 6a-2

<p><b>*BMP Title:</b> Street Sweeping</p>
<p><b>*BMP Description(V.G.6.a.2):</b></p> <p>The City of Savage currently uses 2 mechanical street sweepers to:</p> <ol style="list-style-type: none"><li>1) Sweep each main and collector street a minimum of 4 times per year</li><li>2) Sweep each street that is not a main or collector street a minimum of 2 times per year</li></ol> <p>The sweepers are inspected annually.</p>
<p><b>*Measurable Goals:</b></p> <ol style="list-style-type: none"><li>1) Sweep each main and collector street a minimum of 4 times per year</li><li>2) 2. Sweep each street that is not a main or collector street a minimum of 2 times per year</li><li>3) 3. The sweepers are inspected annually.</li></ol>
<p><b>*Timeline/Implementation Schedule:</b></p> <p>Effective immediately</p> <ol style="list-style-type: none"><li>1) Sweep each main and collector street a minimum of 4 times per year</li><li>2) Sweep each street that is not a main or collector street a minimum of 2 times per year</li><li>3) The sweepers are inspected annually.</li></ol>
<p><b>Specific Components and Notes:</b></p> <p>none</p>
<p><b>*Responsible Party for this BMP:</b></p> <p>Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

**Unique BMP Identification Number:** 6b-2

<b>*BMP Title:</b> Annual Inspection of Structural Pollution Control Devices
<b>*BMP Description(V.G.6.b.2):</b> The City of Savage will annually inspect structural stormwater pollution control devices such as sump catch basins, sump manholes and Stormceptors.
<b>*Measurable Goals:</b> Annual inspection of structural stormwater pollution control devices such as sump catch basins, sump manholes and Stormceptors.
<b>*Timeline/Implementation Schedule:</b> Starting immediately – Annual inspection of structural stormwater pollution control devices such as sump catch basins, sump manholes and Stormceptors.
<b>Specific Components and Notes:</b> none
<b>*Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

**Unique BMP Identification Number:** 6b-3

<b>*BMP Title:</b> Inspection of a Minimum of 20 percent of the MS4 Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis
<b>*BMP Description(V.G.6.b.3):</b> The City of Savage will inspect, at minimum, 20% of the MS4 Outfalls, sediment basins and ponds each year on a rotating basis.
<b>*Measurable Goals:</b> Annual inspection of, at a minimum, 20% of the MS4 Outfalls, sediment basins and ponds on a rotating basis.
<b>*Timeline/Implementation Schedule:</b> Starting immediately – Annual inspection of, at minimum, 20% of the MS4 Outfalls, sediment basins and ponds on a rotating basis.
<b>Specific Components and Notes:</b> none
<b>*Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

**Unique BMP Identification Number:** 6b-4

<p><b>*BMP Title:</b> Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas</p>
<p><b>*BMP Description(V.G.6.b.4):</b> The City of Savage will inspection all exposed stockpile, storage and material handling areas on an annual basis.</p>
<p><b>*Measurable Goals:</b> Inspection all exposed stockpile, storage and material handling areas on an annual basis.</p>
<p><b>*Timeline/Implementation Schedule:</b> Beginning in 2007 and annually there after</p> <ul style="list-style-type: none"><li>• Inspection all exposed stockpile, storage and material handling areas.</li></ul>
<p><b>Specific Components and Notes:</b> none</p>
<p><b>*Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

**Unique BMP Identification Number:** 6b-5

<p><b>*BMP Title:</b> Inspection Follow-up Including the Determination of Whether Repair, Replacement, or Maintenance Measures are Necessary and the Implementation of the Corrective Measures</p>
<p><b>*BMP Description(V.G.6.b.5):</b></p> <p>Based on the City's inspection, a determination will be made if repair, replacement, or maintenance measures are necessary for proper operation and prevention of environmental impacts such as erosion. The necessary measures will be completed as soon as possible, usually during the same year as the inspection. When this is not practicable, the reasons and a schedule for completion will be submitted in the annual report.</p>
<p><b>*Measurable Goals:</b></p> <ol style="list-style-type: none"><li>1) Inspection and determination of whether a repair, replacement, or maintenance measures are necessary for structural stormwater pollution control devices such as sump catch basins, sump manholes, Stormceptors, MS4 outfalls, sediment basins and ponds, exposed stockpile, storage and material handling areas.</li><li>2) Number of repairs, replacements, or maintenance measures implemented based on the above inspections.</li></ol>
<p><b>*Timeline/Implementation Schedule:</b></p> <p>Beginning in 2007 and annually thereafter</p> <ul style="list-style-type: none"><li>• Inspection and determination of whether a repair, replacement, or maintenance measures are necessary for structural stormwater pollution control devices such as sump catch basins, sump manholes, Stormceptors, MS4 outfalls, sediment basins and ponds, exposed stockpile, storage and material handling areas.</li><li>• Reporting on the number of repairs, replacements, or maintenance measures implemented based on the above inspections.</li></ul>
<p><b>Specific Components and Notes:</b></p> <p>none</p>
<p><b>*Responsible Party for this BMP:</b></p> <p>Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>



## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

**Unique BMP Identification Number:** 6b-6

<b>*BMP Title:</b> Reporting and Retention of All Inspections and Responses to the Inspections
<b>*BMP Description(V.G.6.b.6):</b> The City will summarize the results of all inspections in the Annual Report. This will include maintenance of records on the dates of inspection and responses to the inspections, including the date of completion of repairs and major additional protection measures.
<b>*Measurable Goals:</b> Annual Report
<b>*Timeline/Implementation Schedule:</b> Year 1 and annually thereafter. <ul style="list-style-type: none"><li>• Annual report</li></ul>
<b>Specific Components and Notes:</b> None
<b>*Responsible Party for this BMP:</b> Name: Sam Lucido Department: Engineering Phone: 952-882-2686 E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a>

## BMP Summary Sheet

**MS4 Name:** City of Savage

**Minimum Control Measure:** 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

**Unique BMP Identification Number:** 6b-7

<p><b>*BMP Title:</b> Evaluation of Inspection Frequency (V.G.6.b.7)</p>
<p><b>*BMP Description:</b></p> <p>The City of Savage will keep records of the results of inspection of the stormwater management system, including as appropriate, the date, and any maintenance performed or recommended. After two years of inspections, if patterns of maintenance become apparent, the frequency of inspections may be adjusted. If maintenance or sediment removal is required as a result of each of the first two annual inspections, the frequency of inspection will be increased to at least two (2) times annually, or more frequently as needed to prevent carry-over or washout of pollutants from the structures and maximize pollutant removal. If maintenance or sediment removal is not required as a result of both of the first two (2) annual inspections, the frequency may be reduced to once every two (2) years.</p>
<p><b>*Measurable Goals:</b></p> <ol style="list-style-type: none"><li>1) Completion of inspection record.</li><li>2) Adjustment of inspection and/or maintenance frequency, if appropriate, based on prior inspections.</li></ol>
<p><b>*Timeline/Implementation Schedule:</b></p> <p>Annually starting in 2007</p> <ol style="list-style-type: none"><li>3) Completion of inspection record.</li></ol> <p>Annually starting in 2009</p> <ul style="list-style-type: none"><li>- Adjustment of inspection and/or maintenance frequency, if appropriate, based on prior inspections.</li></ul>
<p><b>Specific Components and Notes:</b></p> <p>None</p>
<p><b>*Responsible Party for this BMP:</b></p> <p>Name: Sam Lucido</p> <p>Department: Engineering</p> <p>Phone: 952-882-2686</p> <p>E-mail: <a href="mailto:slucido@ci.savage.mn.us">slucido@ci.savage.mn.us</a></p>

# BMP Summary Sheet

**MS4 Name:** City of Savage

**Permit Condition:** IV.D Section 303(d) listings

**Unique BMP Identification Number:** IV.D – 1

**BMP Title:** Impaired Waters Review Process

## **BMP Description:**

The City of Savage will review all discharges from our MS4 system to impaired waters, as defined by the current USEPA approved 303(d) list.

In this review, the City of Savage will:

- Identify the impaired waters that are likely to be impacted by the MS4's stormwater discharge.
- Use a combination of storm sewer maps and field surveys to identify all potential stormwater discharges to impaired waters
- Delineate the watershed area(s) that contribute to the above discharge(s)
- Evaluate the hydrology, land use and other characteristics of the watershed area(s) that may impact the impaired water as a result of a stormwater discharge from our MS4

Based on the review above, we will determine if any changes to the existing stormwater system or BMPs are needed to minimize the impact of discharges from our MS4 to the impaired water(s). If such modifications are deemed necessary, the City of Savage will modify our SWPPP and submit those modifications to the MPCA with the current year's annual report. In our review, we will consider timing and long and short term costs. All assumptions, reasoning, and justification used to reach a conclusion on whether or not SWPPP revisions are necessary will be documented in the decision making process and records of this determination kept along with all records associated with the MS4 permit. A narrative summary of this review will then be prepared, and identify any associated SWPPP revisions that were made.

## **Measurable Goals:**

- Establish a baseline of information– determine what processes are in place and what has already been accomplished that will help meet these permit conditions
- Prepare a written inventory of all impaired waters within the jurisdictional boundaries of the MS4, as well as those outside these boundaries likely to have an impact as a result of receiving stormwater discharge from the MS4; compile as much detail about the stormwater discharges they receive from the MS4 as is available
- Prepare a map that includes all impaired waters that the MS4 discharge may impact, all MS4 discharge points that may impact these waters, and delineated watersheds that may contribute to the impairment
- Complete for records a written overview of the conclusions reached through this review, including the decision making process used to determine what SWPPP revisions may be needed
- Prepare a projected schedule and timeline to incorporate any necessary changes into the SWPPP

**Timeline/Implementation Schedule:**

2008: Identify what steps, if any, have already been taken by the City of Savage to meet the requirements of section IV.D. of the MS4 General Permit.

2008: Identify impaired waters receiving likely impacts from stormwater discharges from MS4 and locate discharges

2008: Delineate watersheds contributing runoff to impaired waters

2008: Develop a Map of discharges

2008: Complete an Evaluation of hydrology, land use, etc.

2008: Include in Annual Report to MPCA the overview of the impaired waters review and any changes to the SWPPP that have been deemed necessary through this review process.

**Specific Components and Notes:**

This process is to be reassessed annually over the course of the permit cycle. As new 303(d) lists with additional impaired waters listed are published in the future, the City of Savage will review changes to the list and conduct the necessary review of additional listed waters likely to be impacted by the MS4's stormwater discharges.

When a USEPA approved TMDL is finalized, the City of Savage intends to fully comply with all limits and requirements set forth in the TMDL in accordance with the schedule(s) outlined in the TMDL and the MS4 Permit.

**Responsible Party for this BMP:**

Name: John Powell

Department: Public Works / Engineering

Phone: 952-882-2672

E-mail: jpowell@ci.savage.mn.us

## BEST MANAGEMENT PRACTICES IMPLEMENTATION PLAN

A summary of BMPs is provided below. Detailed descriptions of each of the BMPs were provided in Section V.

### BMP IMPLEMENTATION PROGRAM

Best Management Practices	Description of Goal	Schedule
<b>MCM 1</b>		
<b>Public Education and Outreach</b>		
Brochures, Handouts, and Newsletters	Produce and distribute information on illicit discharges, erosion control, shoreline management, and other SWPPP practices.	Annually 2006 – 2011
Implement an Education Program	Develop and implement an educational program that individually addresses each of the 6 minimum control measure	Year 1) Develop program Years 2-5) Implement program Years 2-5) Program assessment
Coordinate education with others	Coordinate education and outreach efforts with Participating Communities of the Joint Stormwater Education Plan.	Year 1) Coordination with Participating Communities of the Joint Stormwater Education Plan Years 2-5) Full participation in the Joint Stormwater Education Plan.
Annual Public Meeting	Conduct a public meeting on the City's Stormwater Pollution Prevention Program, solicit public opinion on the plan, and consider written and oral input into the SWPPP	Annually 2006 – 2011
Annual Elected Officials Update	Increase awareness and understanding of stormwater issues and regulations for City of Savage elected officials	Annually 2008 – 2011
<b>MCM 2</b>		
<b>Public Participation and Involvement</b>		
Comply with Public Notice Requirements	Public notice and hold public meetings per MPCA requirements	Annually 2006 – 2011
Solicit Public Input and Opinion on the Adequacy of the SWPPP	City staff will actively solicit input on SWPPP. This will be during and prior to the public meeting described above	Annually 2006 – 2011

<b>Best Management Practices</b>	<b>Description of Goal</b>	<b>Schedule</b>
<b>MCM 3 Illicit Discharge Detection and Elimination</b>		
Storm Sewer System Map Update	Update storm sewer system map, as needed.	Annually 2006 – 2011
Illicit Discharge Ordinance	Review and update illicit discharge ordinance if needed.	Review in 2007 Complete in 2008, if needed
Illicit Discharge Detection and Elimination Program	Develop and implement a program to detect and address non-stormwater discharges to the MS4 stormwater system.	2007: Structure program and define policy. 2008: Train key staff on implementation of program. 2009: Begin full-scale implementation of program.
<b>MCM 4 Construction Site Stormwater Runoff Control Measures</b>		
Construction Site Runoff Ordinance	Review the current construction site runoff ordinance and update if needed.	2007 review ordinance 2008 update ordinance if needed
Waste Controls for Construction Site Operators	Develop an ordinance requiring waste on construction site to be properly controlled	2007 review current ordinance 2008 update ordinance if needed
Plan review for water quality impacts	Update procedures for site plan review for water quality impacts.	2006 review current plan review process 2007 update current process if needed.
Receipt and consideration of reports of stormwater non-compliance	Update procedures for receipt and consideration of reports of stormwater non-compliance	2006 review current website 2007 update website if needed.
Procedures for site inspection and enforcement of control measures	Update procedures for site inspection and enforcement of control measures	2006 review current procedure 2007 update procedure if needed.
<b>MCM 5 Post Construction Stormwater Management Measures</b>		
Development and implementation of structural and/or non-structural BMPs	Evaluate City code and the Stormwater Submittal Review Checklist. Revise if appropriate.	2007 – Evaluate City code and Checklist. 2008 – Revise if appropriate
Long-term operation and maintenance of BMPs	Evaluate stormwater pond and storm sewer maintenance process. Evaluate process for adequacy and, if appropriate, revise it.	2007 – Evaluate Process. 2008 – Revise if appropriate.

<b>Best Management Practices</b>	<b>Description of Goal</b>	<b>Schedule</b>
<b>MCM 6 Pollution Prevention and Good Housekeeping Measures</b>		
Municipal Operations and Maintenance Program	Develop an operations and maintenance training program with the ultimate goal of preventing or reducing pollutants from City of Savage operations	2007- Develop an outline that identifies the goals and audience. -Research the training aids available. -Develop and establish the training program - Implement the training program
Street Sweeping Program	Maintain current sweeping program.	Immediately-
Annual Inspection of Structural Pollution Control Devices	Annually inspect structural stormwater pollution control devices such as sump catch basins, sump manholes and Stormceptors	Immediately-
Inspection of MS4 Outfalls	Inspection of a Minimum of 20 percent of the MS4 Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis	Immediately-
Inspection of All Exposed Stockpile, Storage and Material Handling Areas	Inspect all exposed stockpile, storage and material handling areas on an annual basis	Beginning in 2007 and annually thereafter.
Inspection Follow-up	Based on inspection, determine if repair, replacement, or maintenance measures are necessary for proper operation and prevention of environmental impacts such as erosion	Beginning in 2007 and annually thereafter.
Reporting	Report inspections in the Annual Report	Beginning in 2007 and annually thereafter.
Evaluation of Inspection Frequency	Evaluate the adequacy of inspection frequency and adjust if necessary.	Annually starting in 2007 - Completion of inspection record. Annually starting in 2009 - Adjustment of inspection and/or maintenance frequency
<b>MCM 7 Impaired Waters</b>		
Impaired Waters Review Process	Compliance with Part IV.D of MS4 permit.	2008 - Identify impaired waters potential impacted, - Delineate watersheds, - Map discharges, - Evaluate hydrology, - Report needed changes

## VIII. ANNUAL REPORT

An Annual Report will be prepared and submitted to the MPCA by June 30 of each year, 2007 through 2011. This Annual Report will cover the entire previous calendar year and will summarize:

- A. Status of Compliance With Permit Conditions  
The status of compliance with permit conditions, including an assessment of the appropriateness of identified Best Management Practices and progress towards achieving the identified measurable goals for each of the minimum control measures. The assessment will be based on results of information collected and analyzed, including monitoring (if any), inspection findings, and public input received during the reporting period.
- B. Planned Stormwater Activities  
The stormwater activities the City of Savage plans to undertake during the next reporting Cycle.
- C. Changes in BMPs or Goals  
A change in any identified Best Management Practices or measurable goals for any of the minimum control measures.
- D. Reliance on Others  
If applicable, a statement that the City of Savage is relying on another entity to satisfy some of our permit obligations, and what agreements that have been entered into in support of this effort.

### Reporting Submittals

Applications, annual reports, and other required submittals will be submitted to:  
Storm Water Management Unit  
Storm Water Section  
Municipal Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, MN 55155-4194



**Attachment A**

**Subwatershed Maps for Eagle Creek and Savage Fen**

